

CENTRAL MOTOR VEHICLES RULES, 1989

CHAPTER I

1. Short title and commencement.--

(1) These rules may be called the **Central Motor Vehicles Rules, 1989**¹.

(2) Save as otherwise provided in sub-rule (3) ²[and sub-rule (2) of rule 103], these rules shall come into force on the 1st day of July, 1989.

(3) The provisions of ²[rule 9,] sub-rule (3) of rule 16, sub-rule (4) of rule 96, ³[***] sub-rule (3) of rule 105, rule 113, sub-rules (2), (3), (4) or (5) of rule 115, rules 118, 122, 124, 125, 126 and 127 shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

2. Definitions.

In these rules, unless the context otherwise requires--

(a) "Act" means the Motor Vehicles Act, 1988 (59 of 1988);

⁴[(b) "agricultural tractor" means any mechanically propelled 4-wheel vehicle designed to work with suitable implements for various field operations and/ or trailers to transport agricultural materials. Agricultural tractor is a non-transport vehicle.

(c) "agricultural trailer" means a trailer generally left uncovered with single/double axle construction which is coupled to an Agricultural Tractor by means of two hooks and predominantly used for transporting agricultural materials;]

⁵[(ca) "construction equipment vehicle" means rubber tyred, (including pneumatic tyred), rubber padded or steel drum wheel mounted, self-propelled, excavator, loader, backhoe, compactor roller, dumper, motor grader, mobile crane, dozer, fork lift truck, self-loading concrete mixer or any other construction equipment vehicle or combination thereof designed for off-highway operations in mining, industrial undertaking, irrigation and general construction but modified and manufactured with "on or off" or "on and off" highway capabilities.

Explanation.--A construction equipment vehicle shall be a non-transport vehicle the driving on the road of which is incidental to the main off-highway function and for a short duration at a speed not exceeding 50 kms per hour, but such vehicle does not include other purely off-highway construction equipment vehicle designed and adopted for use in any enclosed premises, factory or mine other than road network, not equipped to travel on public roads on their own power.]

⁶⁷⁸[(d)] "financier" means a person or a title-holder cum dealer who lets vehicle on hire under an agreement of hire purchase or lease or hypothecation to the operator with the permission to get it registered in operator's name as registered owner;]

⁷[(e)] "Form" means a Form appended to these rules;

⁹[(f)] "section" means a section of the Act;

⁷[(g)] "Trade certificate" means a certificate issued by the registering authority under rule 35;

⁷[(h)] "non-transport vehicle" means a motor vehicle which is not a transport vehicle;

⁹[(i)] "Category L1" means a motor cycle as defined in sub-section (27) of section 2 of the Act, with maximum design speed not exceeding 45 km/ hour and engine capacity not exceeding 50 cc, if fitted with a thermic engine;

(j) "Category L2" means a motor cycle as defined in sub-section (27) of section 2 of the Act, with maximum design speed exceeding 45 km/hour and engine capacity exceeding 50 cc, if fitted with a thermic engine;

(k) "Category M" means a motor vehicle with at least four wheels used for the carriage of passengers and their luggage;

(l) "Category M1" means a motor vehicle used for the carriage of passengers and their luggage and comprising no more than eight seats in addition to the driver's seat;

(m) "Category M2" means a motor vehicle used for the carriage of passengers and their luggage and comprising more than eight seats in addition to the driver's seat and having a maximum mass not exceeding 5 tonnes;

(n) "Category M3" means a motor vehicle used for the carriage of passengers and their luggage and comprising more than eight seats in addition to the driver's seat and having a maximum mass exceeding 5 tonnes;

(o) "Category N" means a motor vehicle with at least four wheels used for the carriage of goods;

(p) "Category N1" means a motor vehicle used for the carriage of goods and having a maximum mass not exceeding 3.5 tonnes;

(q) "Category N2" means a motor vehicle used for the carriage of goods and having a maximum mass exceeding 3.5 tonnes but not exceeding 12 tonnes;

(r) "Category N3" means a motor vehicle used for the carriage of goods and having a maximum mass exceeding 12 tonnes;

¹⁰[(s) "Smart Card" means a device capable of storing data and executing commands which is a microprocessor chip mounted on a plastic card and the dimensions of the card and chip are specified in the International Organization for Standardization (ISO)/International Electro Technical Commission (IEC) 7816 specifications, as may be amended from time to time, and shall be as per the specifications specified in Annexure XI.

Explanation.--For the purposes of this clause, microprocessor chip shall have non-volatile rewritable memory capacity of minimum 4 Kilo Byte consisting of application data, file headers, security definitions, and a maximum of 350 bytes for Operating System Interfacing, as specified by the Ministry of Road Transport and Highways from time to time for Driving Licence and Registration Certificate applications;]

¹¹[(t) "International Driving Permit" means the licence issued by a licensing authority in India under Chapter II of the Act to an Indian National authorising the person specified therein to drive any categories of motor vehicles as specified in Form 6A in the areas or territories of countries other than India ¹³[that are Parties to the Convention on Road Traffic signed at Geneva on 19th day of September, 1949].]

¹²[(u) "Battery Operated Vehicle" means a vehicle adapted for use upon roads and powered exclusively by an electric motor whose traction energy is supplied exclusively by traction battery installed in the vehicle:

Provided that if the following conditions are verified and authorized by any testing agency specified in rule 126, the battery operated vehicle shall not be deemed to be a motor vehicle.

(i) the thirty minutes power of the motor is less than 0.25 kW.;

(ii) the maximum speed of the vehicle is less than 25 km/h.;

(iii) bi-cycles with pedal assistance which are - (a) equipped with an auxiliary electric motor having a thirty minute power less than 0.25 kW, whose output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner, if the cyclist stops pedalling; and (b) fitted with suitable brakes and retro-reflective devices, i.e. one white reflector in the front and one red reflector at the rear.

Explanation.- The thirty minute power of the motor is defined in AIS:049:2003 and method of verification is prescribed in AIS:041:2003, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986);

(v) "Power tiller" means an agricultural machinery used for soil preparation having a single axle in which the direction of travel and its control for field operation is performed by the operator walking behind it. This equipment may or may not have a riding attachment and when coupled to a trailer can be used for the transportation of goods. The maximum speed of the power tiller when coupled to a trailer, shall not exceed 22 km/h. The maximum haulage capacity of the Power tiller coupled to a trailer shall not exceed 1.5 tons.]

¹⁴[(w) National Capital Region" shall have the meaning assigned to it in clause (f) of Section 2 of the National Capital Region Planning Board Act, 1985 (2 of 1985)]

Footnotes:

1. Vide G.S.R. 590 (E), dated 2nd June, 1989.
2. Ins. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
3. Omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
4. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
5. Ins. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000).
6. Clause (aa) ins. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
7. Clauses (aa), (b), (c), (d) and (e) re-lettered as clauses (d), (e), (f), (g) and (h) respectively by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
8. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for clause "(d) "financier" means a person with whom the registered owner of a motor vehicle has entered into an agreement of hire-purchase, lease or hypothecation in respect of such vehicle and whose name is entered in the certificate of registration as referred to in Form 34;" (w.e.f. 10-8-2004).
9. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
10. Subs. by G.S.R. 513 (E), dated 10th August, 2004 (w.e.f. 10-8-2004).
11. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
12. Inserted by Notification No. GSR589(E) dated 16.09.2005.
13. Substituted for the words but excluding the countries with whom there are no diplomatic relations by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.
14. Inserted by the Central Motor Vehicles (First Amendment) Rules, 2009 vide Notification No. GSR37(E) dated 20.01.2009

CHAPTER II

LICENSING OF DRIVERS OF MOTOR VEHICLES

General

3. General.--

The provisions of sub-section (1) of section 3 shall not apply to a person while receiving instructions or gaining experience in driving with the object of presenting himself for a test of competence to drive, so long as--

- (a) such person is the holder of an effective learner's licence issued to him in Form 3 to drive the vehicle;
- (b) such person is accompanied by an instructor holding an effective driving licence to drive the vehicle and such instructor is sitting in such a position to control or stop the vehicle; and
- (c) there is painted, in the front and the rear of the vehicle or on a plate or card affixed to the front and the rear, the letter "L" in red on a white background as under:



Note.-- The painting on the vehicle or on the plate or card shall not be less than 18 centimetres squares and the letter "L" shall not be less than 10 centimetres high, 2 centimetres thick and 9 centimetres wide at the bottom.

Provided that a person, while receiving instructions or gaining experience in driving a motorcycle (with or without a side-car attached), shall not carry any other person on the motorcycle except for the purpose and in the manner referred to in clause (b).

¹4. Evidence as to the correctness of address and age.--

Every applicant for the issue of a licence under this Chapter shall produce as evidence of his address and age, any one or more of the following documents in original or relevant extracts thereof duly attested by a Gazetted Officer of the Central Government or of a State Government or an officer of a local body who is equivalent in rank of a Gazetted Officer of the Government or Village Administration Officer or Municipal Corporation Councilor or Panchayat President, namely:--

²⁶[***]

2. Electoral Roll,

3. Life Insurance Policy,

²[***]

4. Passport,

³[***]

⁴[6. Pay slip issued by any office of the Central Government or a State Government or a local body,]

⁵[***]

8. School Certificate,

9. Birth Certificate,

10. Certificate granted by a registered medical practitioner not below the rank of a Civil Surgeon, as to the age of the applicant:

Provided that where the applicant is not able to produce any of the above mentioned documents for sufficient reason, the licensing authority may accept any affidavit sworn by the applicant before an Executive Magistrate, or a First Class Judicial Magistrate or a Notary Public as evidence of age and address.]

²⁷[11. Any other document or documents as may be prescribed by the State Government under clause (k) of section 28:]

²⁸[12. proof of legal presence in India in addition to proof of residence in case of foreigners.]

5. Medical Certificate.--

⁶[(1)] Every application for the issue of a learner's licence, or a driving licence or for making addition of another class of description of a motor vehicle to a driving licence or for renewal of a driving licence to drive a vehicle other than a transport vehicle shall be accompanied by a self declaration as to the physical fitness as in Form I and every such application for a licence to drive a transport vehicle shall be accompanied by a medical certificate in Form 1A issued by a registered medical practitioner referred to in sub-section (3) of section 8.]

⁷[(2) An application for a medical certificate shall contain a declaration in Form 1.

(3) A medical certificate issued in Form 1A shall be valid for a period of one year from the date of its issue. It shall be accompanied by a passport size copy of the photograph of the applicant.]

6. Exemption from production of medical certificate.--

Any person who has, after the date of commencement of these rules, produced a medical certificate in connection with the obtaining of a learner's licence or a driving licence, whether for initial issuance or for renewal thereof, or for addition of another class of motor vehicles to his driving licence, shall not be required to produce a medical certificate, except where the application is made for the renewal of a driving licence.

7. Affixing of photograph to medical certificate.--

A photograph of the applicant shall be affixed at the appropriate place shown in ⁸[Form 1A] and the registered medical practitioner shall affix his signature and seal to the said photograph in such a manner that the signature and the seal appear partly on the photograph and partly on the form of the medical certificate.

⁹[***]

¹⁰[8. Minimum educational qualification for driving transport vehicles.-

The minimum educational qualification in respect of an applicant for obtaining a licence to drive a transport vehicle shall be a pass in the eighth standard:

Provided that the minimum educational qualification specified in this rule shall not apply in the case of -

- (i) renewal of a driving licence to drive a transport vehicle; or
- (ii) addition of another class of transport vehicle to the driving licence;

already held before the commencement of the Motor Vehicles (Amendment) Rules, 2007.]

⁸[9. Educational qualifications for drivers of goods carriages carrying dangerous or hazardous goods.--

¹[(1) One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, any person driving a goods carriage carrying goods of dangerous or hazardous nature to human life shall, in addition to being the holder of a driving licence to drive a transport vehicle, also has the ability to read and write at least one Indian language out of those ¹¹[specified in the VIII Schedule of the Constitution] and English and also possess a certificate of having successfully passed a course consisting of following syllabus and periodicity connected with the transport of such goods.

Period of training	3 days
Place of training	At any institute recognised by the State Government
Syllabus	
A. Defensive driving	
Questionnaire	Duration of training for
Cause of accidents	A & B--1st and 2nd day
Accidents, statistics	
Driver's personal fitness	
Car condition	
Braking distance	
Highway driving	
Road/Pedestrian crossing	
Railway crossing	
Adapting to weather	

Head-on collision	
Rear-end collision	
Night driving	
Films and discussion	

B. Advanced driving skills and training	
(i) Discussion	
Before starting	--Check list
	--outside/below/near vehicle
	--product side
	--inside vehicle
During driving	--correct speed/gear
	--signalling
	--lane control
	--overtaking/giving side
	--speed limit/safe distance
	--driving on slopes
Before stopping	--safe stopping place, signalling, road width, condition
After stopping	--preventing vehicle movement
	--wheel clocks
	--vehicle attendance
¹² [Night driving	--mandatory lighting requirements
	--headlamp alignment
	--use of dipped beam]
(ii) Field test/training	--1 driver at a time

C. Product safety	--UN classification	Duration
UN Panel	--Hazchem Code	of training for (C) Third day
	--Toxicity flammability other definitions	

Product Information	--Tremcards	
	--CIS/MSDS	
	--Importance of temperature Pressure, level	
	--Explosive limits	
	--Knowledge about equipment	
Emergency Procedure	--Communication	
	--Spillage handling	

--Use of PPE
--Fire fighting
--First Aid
--Toxic release control
--Protection of wells, rivers, lakes, etc.
--Use of protective equipment
--Knowledge about valves etc.]

(2) The holder of a driving licence possessing the minimum educational qualification or the certificate referred to in sub-rule (1), shall make an application in writing on a plain paper along with his driving licence and the relevant certificate to the licensing authority in whose jurisdiction he resides for making necessary entries in his driving licence and if the driving licence is in Form 7, the application shall be accompanied by the fee as is referred to in Sl. No. 8 of the Table to rule 32.

(3) The licensing authority, on receipt of the application referred to in sub-rule (2), shall make an endorsement in the driving licence of the applicant to the effect that he is authorised to drive a goods carriage carrying goods of dangerous or hazardous nature to human life.

(4) A licensing authority other than the original licensing authority making any such endorsement shall communicate the fact to the original licensing authority.]

Learner's licence

10. Application for learner's licence.--

An application for the grant ²⁹[***] of a learner's licence shall be made in Form 2 and shall be accompanied by--

(a) save as otherwise provided in rule 6, a medical certificate in ⁸[Form 1A]

(b) three copies of the applicant's recent ⁸[passport size photograph]

(c) appropriate fee as specified in rule 32

(d) in the case of an application for ¹³[transport vehicle], the driving licence held by the applicant.

²⁸[(e) proof of residence.

(f) proof of age.

(g) proof of citizenship.]

11. Preliminary test.--

(1) Save as otherwise provided in sub-rule (2), every applicant for a learner's licence shall present himself before the licensing authority on such date, place and time, as the licensing authority may appoint, for a test and satisfy such authority that the applicant possesses adequate knowledge and understanding of the following matters, namely:--

(a) the traffic signs, traffic signals and the rules of the road regulations made under section 118;

(b) the duties of a driver when his vehicle is involved in an accident resulting in the death or bodily injury to a person or damage to property of a third party;

(c) the precautions to be taken while passing an unmanned railway crossing; and

(d) the documents he should carry with him while driving a motor vehicle.

¹⁴[(1A) In determining as to whether an applicant possesses adequate knowledge and understanding of the matters referred to in sub-rule (1), the licensing authority shall put to the applicant questions of objective type such as specified in Annexure VI.

Explanation.--For the purpose of this sub-rule, "adequate knowledge" means answering correctly at least 60 per cent of the questions put to him.]

(2) Nothing contained in sub-rule (1) shall apply to the following class of applicants, namely:--

(a) the holder of an effective driving licence,

(b) the holder of a driving licence which has expired but five years have not elapsed,

(c) the holder of a learner's licence issued or renewed after the commencement of these rules,

¹⁵[d) the holder of a certificate to the effect of the possession of adequate knowledge and understanding of the matters referred to in sub-rule (1), issued by any institution recognized and notified in this regard by the State Government.]

12. Consent of parent or guardian in the case of application by minor.--

In the case of an application for a learner's licence to drive a ¹⁶[motorcycle without gear] by an applicant under the proviso to sub-section (1) of section 4, the application shall be signed by the parent or guardian of the applicant.

13. Form of learner's licence.--

Every learner's licence issued by the licensing authority shall be in Form 3.

Driving licence

14. Application for a driving licence.--

¹⁷[(1)] An application for a driving licence shall be made in Form 4 and shall be accompanied by-

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- (a) an effective learner's licence to drive the vehicle of the type to which the application relates;
- (b) appropriate fee as specified in rule 32, for the test of competence to drive and issue of licence;
- (c) three copies of the applicant's recent ¹⁴[passport size photograph];
- (d) save as otherwise provided in rule 6, a medical certificate in ¹⁴[Form 1A];
- (e) a driving certificate in Form 5 issued by the school or establishment from where the applicant received instruction, if any.
- ²⁸[(f) proof of residence,
- (g) proof of age.
- (h) proof of citizenship.]

¹⁸[(2)] An application for an International Driving Permit shall be made in Form 4A and shall be accompanied by--

- (a) valid driving licence issued by the licensing authority under these rules;
- (b) appropriate fee as specified in rule 32;
- (c) three copies of the applicant's recent passport photograph;
- (d) a medical certificate in Form 1A;
- (e) valid proof of Indian Nationals;
- (f) valid proof of passport; and
- (g) valid proof of visa, wherever applicable.]

15. Driving test.--

(1) No person shall appear for the test of competence to drive unless he has held a learner's licence for a period of at least ⁸[thirty days.]

(2) The test of competence to drive referred to in sub-section (3) of section 9 shall be conducted by the licensing authority or such other person as may be authorised in this behalf by the State Government in a vehicle of the type to which the application relates.

(3) The applicant shall satisfy the person conducting the test that he is able to--

- (a) adjust the rear-view mirror;
- (b) take suitable precautions before starting the engine;

- (c) move away safely and smoothly straight ahead at an angle, while at the same time engaging all gears until the top gear is reached;
- (d) to change to the lower gears quickly from the top gear when the traffic conditions warrant such change;
- (e) change quickly to lower gears when driving downhill;
- (f) stop and re-start the vehicle on a steep upward incline making proper use of the hand-brake or of the throttle and the foot-brake without any rolling back, turn right and left corners correctly and make proper use of the rear-view mirror before signalling;
- (g) overtake, allow to be overtaken, meet or cover the path of other vehicles safely and take an appropriate course of the road with proper caution giving appropriate signals;
- (h) give appropriate traffic signals at the appropriate time, in clear and unmistakable manner by hand or by electrical indicators fitted to the vehicle;
- (i) change the lanes with proper signals and with due care;
- (j) stop the vehicle in an emergency or otherwise, and in the latter case, bring it to rest at an appropriate course on the road safely, giving appropriate signals;
- (k) in the case of vehicle having a reverse gear, driving the vehicle backwards, reverse it into a limited opening either to the right or left under control and with reasonable accuracy;
- (l) cause the vehicle to face in the opposite direction by means of forward and reverse gears;
- (m) take correct and prompt action on the signals given by traffic signs, traffic lights, traffic controllers, policemen and take appropriate action on signs given by other road users;
- (n) act correctly at pedestrian crossings, which are not regulated by traffic lights or traffic police, by giving preference to persons crossing the roads;
- (o) keep well to the left in normal driving;
- (p) regulate speed to suit varying road and traffic conditions;
- (q) demonstrate general control of the vehicle by confident steering and smooth gear changing and braking as and when necessary;
- (r) make proper use of the rear-view mirror before signalling, beginning manoeuvring, moving away, altering the course to overtake, turning right or stopping;
- (s) use the proper side when driving straight, turning right, turning left and at junction of the road;
- (t) make proper use of accelerator, clutch, gears, brakes (hand and foot) steering and horn;
- (u) anticipate the actions of pedestrians, drivers of other vehicles and cyclists;

- (v) take precautions at crossroads and on road junctions with regard to--
 - (i) adjustment of speed on approach,
 - (ii) proper use of rear-view mirror,
 - (iii) correct positioning of the vehicle before and after turning to the right or left,
 - (iv) avoidance of cutting right hand corners,
 - (v) looking right, left and right again before crossing or emerging;
- (w) concentrate in driving without his attention being distracted and to demonstrate the presence of mind;
- (x) show courtesy and consideration for the safety and convenience of other road users, such as pedestrians, drivers of other motor vehicles or cyclists.

16. Form of driving licence.--

- (1) Every driving licence issued or renewed by a licensing authority shall be in Form 6.
- (2) Where the licensing authority has the necessary apparatus, ¹³[for the issue of a laminated card type or Smart Card type driving licence, such card type or Smart Card type driving licence, as may be specified in the notification issued by the concerned State Government or Union Territory Administration,] shall be in Form 7.
- (3) On and from the date of commencement of this sub-rule, every driving licence issued or renewed by the licensing authority shall be in Form 7.
- ¹⁸[(4) Every International Driving Permit issued by a licensing authority shall be in Form 6A and shall be valid for a period of not more than one year from the date of issue, as the case may be, or till the validity of the driving licence, whichever is earlier.
- (5) The automobile associations authorised by the State Government/Union territory Administration shall be allowed to issue International Driving Permit to their own members as also others subject to counter signature by competent authority.]

17. Addition to driving licence.--

- (1) An application for addition of another class or description of motor vehicle to the driving licence shall be made in Form 8 to the licensing authority and shall be accompanied by--
 - (a) an effective learner's licence and driving licence held by the applicant;
 - (b) in the case of an application for addition of a transport vehicle, the driving certificate in Form 5;
 - ¹⁹[***]
 - (d) appropriate fee as specified in rule 32.
- (2) The provisions of sub-section (1), sub-section (3) and sub-section (4) of section 9 shall, insofar as may be, apply in relation to an application under sub-section (1) as they apply in relation to an application for the grant of a driving licence.

18. Renewal of driving licence.--

(1) An application for the renewal of a driving licence shall be made in Form 9 to the licensing authority having jurisdiction over the area in which the applicant ordinarily resides or carries on business and shall be accompanied by--

- (a) appropriate fee as specified in rule 32,
- (b) three copies of the applicant's recent ⁸[passport size photograph], if renewal is to be made in Form 6,
- (c) the driving licence,
- (d) the medical certificate in ⁸[Form 1A].

(2) Where the driving licence authorises the holder of such licence to drive a transport vehicle as well as any other vehicle, then the licensing authority shall, subject to the production of medical certificate, renew such licence for the appropriate period as specified in sub-section (2) of section 14.

²⁸[(3) Where the licensing authority renewing the driving licence is not the licensing authority who issued the driving licence the fact of the renewal shall be intimated to the licensing authority who issued the driving licence:

Provided that in case the application is for issuance of a duplicate driving licence which has been lost, torn or mutilated such that the identification or authenticity of the document cannot be reasonably established, the licensing authority receiving such application shall on confirmation from the original issuing authority, issue the duplicate driving licence.

Provided also that if such confirmation is not received within 60 days, duplicate licence shall be issued, without waiting for the confirmation.]

19. Refund of fee.--

Where the licensing authority rejects an application for the renewal of a driving licence under sub-section (5) of section 15, it shall refund half of the fee paid for such renewal to the applicant, on an application made by him in that behalf not later than thirty days from the date of receipt of the order rejecting the application.

20. Driving licence to drive motor vehicle belonging to the Defence Department.--

The authorities for the purpose of sub-section (1) of section 18 shall be--

- (i) all the officers-commanding of Units of Army of and above the rank of Major;
- (ii) all the officers-commanding of Units of Navy of and above the rank of Lieutenant-Commander;
- (iii) all the officers-commanding of Units of Air Force of and above the rank of Squadron Leaders.

Disqualification

21. Powers of licensing authority to disqualify.--

For the purpose of clause (f) of sub-section (1) of section 19, the commission of the following acts by a holder of a driving licence shall constitute nuisance or danger to the public, namely:--

- (1) Theft of motor vehicle.
- (2) Assault on passengers.
- (3) Theft of personal effects of passengers.
- (4) Theft of goods carried in goods carriages.
- (5) Transport of goods prohibited under any law.
- ⁸[(6) Driver while driving a transport vehicle, engages himself in activity which is likely to disturb his concentration.]
- (7) Abduction of passengers.
- (8) Carrying overload in goods carriages.
- (9) Driving at speed exceeding the specified limit.
- (10) Carrying persons in goods carriage, either inside the driver's cabin in excess of its capacity or on the vehicle, whether for hire or not.
- (11) Failing to comply with the provisions of section 134.
- (12) Failure to stop when signalled to do so by any person authorised to do so.
- (13) Misbehaviour with and showing discourtesy to passengers, intending passengers or consignors and consignees of goods.
- (14) Smoking while driving public service vehicles.
- (15) Abandoning vehicle in a public place causing inconvenience to other road users or to passengers in the vehicle.
- (16) Driving vehicle while under the influence of drink or drugs.
- (17) Interfering with any person mounting or preparing to mount upon any other vehicle.
- (18) Allowing any person to sit or placing things in such a way as to impede the driver from having a clear vision of the road or proper control of the vehicle.
- (19) Not stopping a stage carriage at approved stopping places for a sufficient period of time in a safe and convenient position upon demand or signal of the conductor or any passenger desiring to alight from the vehicle and unless there is no room in the vehicle, upon demand or signal of any person desiring to become a passenger.
- (20) Loitering or unduly delaying any journey and not proceeding to the destination as near as may be in accordance with the time table pertaining to the vehicle, or, where there is no such time table, with all reasonable despatch.
- (21) Not driving a contract carriage, in the absence of a reasonable cause, to the destination named by the hirer by the shortest route.
- (22) The driver of a motor cab not accepting the first offer of hire which may be made to him irrespective of the length of the journey for which such offer is made.

(23) The driver of a motor cab demanding or extracting any fare in excess to that to which he is legally entitled or refusing to ply motor cab.

⁸[(24) Abandoning a transport vehicle as a mark of protest or agitation of any kind or strike in a public place or in any other place in a manner causing obstructions and inconvenience to the public or passengers or other users of such places.]

²⁰[(25) Using mobile phone while driving a vehicle.]

Endorsement in driving licence

22. Endorsement by courts.--

A court convicting a holder of a licence, for any one of the offences specified hereunder, shall endorse or cause to be endorsed in the driving licence, the particulars of such conviction, namely:--

- (a) Driving without a licence, or without a licence which is effective, or without a licence applicable to the vehicle driven (section 3).
- (b) Allowing a licence to be used by another person [section 6(2)].
- (c) Driving when disqualified (section 23).
- (d) Driving an unregistered vehicle (section 39).
- (e) Driving a transport vehicle not covered by a certificate of fitness (section 56).
- (f) Driving a transport vehicle in contravention of section 66.
- (g) Driving in contravention of rule 118.
- (h) Failure to comply with provisions of section 114.
- (i) Refusing or failing within specified time to produce licence or certificate of registration (section 130).
- (j) Failing to stop vehicle as required under section 132.
- (k) Obtaining or applying for a licence without giving particulars of endorsement (section 182).
- (l) Driving at excessive speed (section 183).
- (m) Driving dangerously (section 184).
- (n) Driving while under the influence of drink or drugs (section 185).
- (o) Driving when mentally or physically unfit to drive (section 186).
- (p) Abetment of an offence punishable under sections 183 or 186.
- (q) Abetment of offence specified in section 188.
- (r) Taking part in unauthorised race or trial of speed (section 189).
- (s) Using vehicle in unsafe condition (section 190).
- (t) Driving vehicle exceeding permissible limit or weight (section 194).

(u) Altering a licence or using an altered licence.

(v) An offence punishable with imprisonment in the commission of which a motor vehicle was used.

State Register

23. State Register of driving licences.--

(1) Each State Government shall maintain a State Register of driving licences in respect of driving licences issued and renewed by the licensing authorities in the State in Form 10.

(2) Each State Government shall send to the Director (Transport Research), Ministry of Surface Transport, New Delhi, a printed copy of the register referred to in sub-rule (1).

Driving Schools and Establishments

24. Driving schools and establishments.--

(1) No person shall establish or maintain any driving school or establishment for imparting instructions for hire or reward in driving motor vehicles without a licence in Form 11 granted by the licensing authority.

(2) An application for the grant or renewal of a licence under sub-rule (1) shall be made in Form 12 or Form 13, as the case may be, to the licensing authority having jurisdiction in the area in which the school or establishment is situated and shall be accompanied by appropriate fee as specified in rule 32.

Explanation.--For the purposes of this rule and rules 25 to 28 "licensing authority" means an officer not below the rank of the Regional Transport Officer of the Motor Vehicles Department established under section 213.

(3) The licensing authority shall, when considering an application for the grant or renewal of a licence under this rule, have regard to the following matters, namely:--

(i) the applicant and the staff working under him are of good moral character and are qualified to give driving instructions;

(ii) the premises where the school or establishment is proposed to be conducted is either owned by the applicant or is taken on lease by him or is hired in his name and it has adequate provision for ⁸[conducting lectures and demonstration of models] besides adequate parking area for the vehicles meant to be used for imparting instructions in driving:

Provided that in respect of schools or establishments imparting instructions in driving of motor vehicles or matters connected therewith immediately before the commencement of these rules, the licensing authority may permit the conducting of instruction facilities in the same premises where the school or establishment is housed for a period of six months, notwithstanding the fact that the premises do not satisfy the conditions laid down in this clause;

(iii) the financial resources of the proposed school or establishment are sufficient to provide for its continued maintenance;

(iv) the applicant owns and maintains a minimum of one motor vehicle each of the type in which instruction is imparted in the school or establishment ²⁷[within a period of ninety days from receipt of such an application];

(v) the vehicles are available exclusively for purposes of imparting instruction and all such vehicles, except motorcycles, are fitted with dual control facility to enable the instructor to control or stop the vehicle;

(vi) the applicant maintains the following apparatus, equipments and other requirements namely:--

(a) a black board,

(b) a road plan board with necessary model signals and charts,

(c) traffic signs chart,

(d) chart on automatic signals and signals given by traffic controllers where there are no automatic signals,

(e) a service chart depicting a detailed view of all the components of a motor vehicle,

(f) engine gear box, ⁸[brake shoe and drums] (except where the applicant desires to impart instruction in the driving of motor cycles only),

(g) puncture kit with tyre lever, wheel brace, jack and tyre pressure gauge,

(h) spanners (a set each of fix spanners, box spanners, pliers, screw drivers, screw spanners, and hammer),

(i) driving instructions manual,

(j) benches and tables for trainees and work bench,

²¹[***]

(m) a ⁸[collection] of books on automobile mechanism, driving, road safety, traffic regulations, laws relating to motor vehicles and related subjects

²²[***];

(n) a fully equipped first-aid box for use in emergency at the premises;

²³[***]

(viii) the applicant or any member of the staff employed by him for imparting instructions possesses the following qualifications, namely:--

(a) a minimum educational qualification of a pass in the 10th standard,

(b) a minimum driving experience of five years in addition to a certificate in a course in motor mechanics or any other higher qualification in mechanical engineering from an institution established by the Central or a State Government or from an institution recognised by the Board of Technical Education of a State Government,

- (c) thorough knowledge of traffic signs specified in the Schedule to the Act and the regulations made under section 118,
- (d) ability to demonstrate and to explain the functions of different components, parts of the vehicles,
- (e) adequate knowledge of English or the regional language of the region in which the school or establishment is situated:

Provided that any person who has served as an instructor for a period of not less than five years immediately before the commencement of these rules, is exempted from the requirements of this sub-clause.

(4) The licensing authority may, on receipt of an application under sub-rule (2) and after satisfying that the applicant has complied with the requirements of sub-rule (3), grant or renew a licence in Form 11.

(5) No application for licence shall be refused by the licensing authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the licensing authority.

25. Duration of a licence and renewal thereof.--

A licence granted in Form 11 shall be in force for a period of five years and may be renewed on an application in Form 13 made to the licensing authority which granted the licence not less than sixty days before the date of its expiry.

²⁷[Provided that the validity of the said licence shall be subject to fulfilling the criteria as prescribed by the State Government, which shall be certified by the licensing authority or any other authority as may be prescribed for the purpose by the State Government on an annual basis.]

26. Issue of duplicate licence.--

(1) If at any time a licence granted under sub-rule (4) of rule 24 is lost or destroyed the holder of the licence shall forthwith intimate the loss to the licensing authority which granted the licence and shall apply in writing to the said authority, for a duplicate.

(2) On receipt of an application along with the appropriate fee as specified in rule 32, the licensing authority shall issue a duplicate licence clearly marked "Duplicate".

(3) If after the issue of a duplicate certificate, the original is found, the same shall be surrendered forthwith to the licensing authority by which it was issued.

27. General conditions to be observed by the holder of a licence.--

The holder of a licence granted under rule 24 shall,--

(a) maintain on an annual basis, a register in Form 14 and an alphabetical list of the names of the students admitted during the year;

(b) conduct the training course according to the syllabus specified in rule 31;

¹⁹[***]

- (d) issue to every student who has completed the course a certificate in Form 5;
- (e) submit to the licensing authority which granted the licence such information or return as may be called for by it from time to time for the purposes of this Chapter;
- (f) not shift the school or establishment from the premises mentioned in the licence without the prior approval in writing of the licensing authority, which granted the licence;
- (g) keep the premises of the school or establishment and the record and registers maintained by it at all reasonable times open for inspection by the licensing authority or by any person authorised in this behalf by the licensing authority;
- (h) exhibit in a conspicuous manner on all the motor vehicles used for imparting instructions the name, full address of the school or establishment and the telephone number, if any, in bold letters;
- (i) maintain a record separately for each trainee showing the number of driving hours spent every day in Form 15;
- (j) display at a prominent place in its office the following:--
 - (i) the licence in original issued to the school or establishment by the licensing authority, and
 - (ii) the names and addresses of instructors employed by the school or establishment;
- (k) not act in a manner calculated to mislead any person making an application to receive instructions from the school or establishment as to his ability to procure a licence for such person other than in accordance with these rules or to connive with any person in acts of commission or omission with a view to circumventing the provisions of this Chapter.

28. Power of the licensing authority to suspend or revoke licence.--

- (1) If the licensing authority which granted the licence is satisfied, after giving the holder of the licence an opportunity of being heard, that he has--
 - (a) failed to comply with the requirements specified in sub-rule (3) of rule 24; or
 - (b) failed to maintain the vehicles in which instructions are being imparted in good condition; or

A. DRIVING THEORY-I	
1. Know your vehicle	Simple introduction to automobile engines and their working.
2. Vehicle control Foot controls	Foot brake, accelerator, clutch-dipper (not in present models).
Hand controls	Steering wheel, hand brake, horn, light, wipers, ignition switch, starter, dipper and indicators.
Other controls	Rear-view mirror (right and left side), Instrument cluster, gauges, dials, wind-

	screen -- their purpose.
3. Pre-driving checks	(i) Before sitting on driver's seat and (ii) After sitting on driver's seat.
4. Beginning to drive	Precautions just before moving, While moving. Bitting point, Moving, Steering control, Changing of gear, Stopping, Baking, Accelerator (gradual/sudden) Traffic sense, road sense, judgment, parking and positioning according to road users, Reversing.
5. Driving on the road	Anticipation, judgment, and road positioning according to other road users.
6. Driving at inter sections	Mirror Signal and Manoeuvre (MSM) and Position Speed and Look (PSL). Zone of vision.
7. Manoeuvres	Merging and diverging manoeuvres--turning manoeuvres to left, right, about, 3-point turn, 5-point turn and U-turn, overtaking stationary vehicle, moving vehicle in left side and right side.
8. Reversing	Locating reverse gear in sitting position, speed control, steering in reverse gear, weaving the 'S' bend and common errors.
9. Parking	Parallel, angular, perpendicular parking facing uphill, parking facing downhill, common errors.
10. Driver's responsibility on the road	Driving behaviour, consideration for other road-users, courtesy and competitiveness, over-confidence, impatience and defensive driving. Distance between cars while driving at Railway crossing.
11. Priority for certain vehicles	Emergency vehicles Fire engines and Ambulance.

(c) failed to adhere to the syllabus specified in rule 31 in imparting instruction; or

(d) violated any other provision of rule 27,

it may, for reasons to be recorded in writing, make an order,--

(i) suspending the licence for a specified period;

(ii) revoking the licence.

(2) Where the licence is suspended or revoked under sub-rule (1), the licence shall be surrendered to the licensing authority by the holder thereof.

29. Appeal.--

Any person aggrieved by any order of the licensing authority under sub-rule (5) of rule 24, rule 25 or rule 28 may, within thirty days of the date of receipt of such order, appeal to the head of the Motor Vehicles Department established under section 213.

30. Procedure for appeal.--

(1) An appeal under rule 29 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the licensing authority and shall be accompanied by a certified copy of the order appealed against and appropriate fee as specified in rule 32.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such further enquiry, if any, as it may deem necessary, pass appropriate orders ²⁷[within a period of forty five days from the date of receipt of such an appeal].

31. Syllabus for imparting instructions in driving of motor vehicles.--

(1) The syllabus for imparting instructions in driving of motor vehicles of the schools or establishments shall be as follows (see tables below):

B. TRAFFIC EDUCATION-I

1. Driving regulations	Road use regulations made under section 118 of the Motor Vehicles Act, 1988.
2. Hand signals	-do-
3. Traffic signs	Schedule to Motor Vehicles Act, 1988.
4. Hand signals of Traffic Constables/ Traffic warden.	
5. Introduction to automatic light signals.	
6. Introduction to road markings.	
7. Speed regulations on highways and city roads.	
8. Parking at objectionable places.	
9. Some important provisions of the Motor Vehicles Act, 1988-- Sections 122, 123, 125, 126 and 128 of the Motor Vehicles Act, 1988.	
10. Test of competence to drive	Sub-rule (3) of rule 15 of Central Motor Vehicles Rules, 1989.

C. LIGHT VEHICLES DRIVING PRACTICE

1. Identification of various parts of the vehicles.	
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2. Pre-driving checks	(i) Before sitting on driver's seat, and (ii) After sitting on driver's seat.
3. Steering practice	--Push and pull method.
4. Bitting point	
5. Moving and gear changing	
6. Stopping	--Normal stopping --Emergency stopping.
7. Developing judgment and anticipation to drive on road	
8. Reversing	--In straight--In 'S' bends.
9. Turning about and parking	
10. Licensing	
D. VEHICLE MECHANISM AND REPAIRS	
1. Layout of vehicle.	
2. Function of diesel and petrol engines	
3. Fuel system	--Fuel lines --Fuel injection pump --Atomiser --Air lock --Oil block.
4. Cooling system	--Purpose --Radiator
	--Water pump --Fan leaf/fan belt --Radiator water boiling --Rectification.
5. Lubrication system	--Purpose --Engine lubrication --Chassis lubrication --Oil grade numbers unit-wise.
6. Transmission systems	(a) Clutch: --Function --Slip --Rising

	<ul style="list-style-type: none"> --Linkages (b) Gear box: --Function --Purpose --Parts (c) Propeller shaft: --Function/purpose --Yoke joint --C.J. bearing slip --"U" joint--Lubrication (d) Differential: --Purpose --Function/Noise.
7. Suspension system	<ul style="list-style-type: none"> --Purpose --Springs --Shackle, shackle pin bushes --Shock absorber and its bushes.
8. Steering system	<ul style="list-style-type: none"> --Purpose --Steering geometry --Steering linkages --Steering box.
9. Brake system	<ul style="list-style-type: none"> --Purpose --Hydraulic brake and its know-how --Air assisted hydraulic brake and its know-how --Air brake and its know-how --Brake adjustment of the entire system.
10. Electrical system	<ul style="list-style-type: none"> --Battery and its condition --Dynamo /Alternator --Self motor --Starter motor regulators --Lights --Knowledge to read the charging rate in the Ampere meter.
11. Tyres	<ul style="list-style-type: none"> --Study of tyres --Maintenance --Effect of defective tyres and wheel alignment.
12. Instruments cluster, dash board meters and their	

purposes and functions.	
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E. MEDIUM AND HEAVY VEHICLE DRIVING :

DRIVING THEORY-II

1. Qualities of a good driver	--Patience, responsibility, self-confidence, anticipation, concentration, courtesy, defensive driving, knowledge of road rules/regulations, knowledge of vehicle controls, maintenance and simple mechanism.
2. Knowledge of vehicle controls	--Major controls --Minor controls.
3. Response of controls	--Accelerator --Brake --Gradual/Sudden/Sudden fierce --Clutch --Steering.
4. Pre-driving checks	(i) Before sitting on driver's seat, and (ii) After sitting on driver's seat.
5. Holding steering wheel	--Push and pull method practice --on the move --while gear changing --while turning --while sounding horn --while operating dash board switches --while signalling --on emergency.
6. Gear changing	--Double de-clutching, importance and procedure single clutching --Gear up procedure, shifting to lower gears --Gear down procedure, shifting to higher gears.
7. Beginning to drive	--I gear --II gear --III gear --IV gear --V gear --Reverse gear --Overdrive/optional.
8. M.S.M. and P.S.L.	

Routines.	
9. Manoeuvres	--Passing --Merging --Diverging --Overtaking --Crossing --Turning --Cornering --Reversing --Parking.
10. Stopping	--Normal stopping --Emergency stopping --Use of engine brake/exhaust brake.
11. Stopping distance	--Reaction distance --Braking distance.
12. Following distance	--Meaning --Distance method --Car length method --2 seconds time rule method.
13. Identification, prediction, decision and execution (IPDE) principle	
14. Defensive driving techniques	--Judgment --Anticipation --Escape route.
15. Night driving	--Location of head light switch --Procedure --Obligation to light the lamps, restriction on lighting the lamps.
16. Hill driving	--Starting in hill using the parking brake method --Slipping the clutch method --Driving up-hill --Driving down-hill.
17. Emergency manoeuvres	--Prevention is better than cure in case of skidding, horn stuck --Fire, wheels coming out --Brake failure

	<ul style="list-style-type: none"> --Broken stub axle --Burst of front tyre --Steering wobbling --Snapping of steering linkages --Jamming of accelerator pedal --Snapping of clutch rod --Under special circumstances like chances of collusion with a disabled vehicle. --Brake failure during down-hill --Sudden obstruction in front of the vehicle.
18. Driving under special conditions	<ul style="list-style-type: none"> --In wet weather --In dawn, dusk and misty roads --In dense traffic.
19. Towing (trailer driving)	<ul style="list-style-type: none"> --Procedure --on tow-board --speed of towing --reversing and positioning the vehicle with trailers.
20. Fuel-saving methods	
21. Reports--discussions	

F. TRAFFIC EDUCATION-II

1. Know your road	<ul style="list-style-type: none"> Functional classification Design speeds Road geometries Surface types and characteristics Slopes and elevation.
2. Slight distance	<ul style="list-style-type: none"> At bends At intersections.
3. Road junctions	<ul style="list-style-type: none"> Principles and types T junctions Y junctions 4-Arrn junctions Staggered junctions Controlled junctions Uncontrolled junctions.

4. Traffic islands	Types of roundabouts Channelisers, median.
5. Bye-pass, subway, over-bridge and fly-overs	Purpose Driving procedures.
6. Bus stop, bus terminus, bus stand	Ingress Egress Method.
7. Road markings	White line: continuous and broken Yellow line Lane marking Zebra-crossing Stop line Parking markings Sense of road signals.
8. Lane selection and lane discipline.	
9. Automatic light signals.	
10. Road users characteristics	Pedestrian, drunkards, children and blind, deaf and dumb Youth, aged women with children Slow-moving vehicles Mopeds and motor cycles Autos, tempos, vans Buses and trucks VIP, ambulance, fire engine Animals.
11. Accidents	Types of accidents Causes of accidents Preventive methods Driver's duties and responsibilities on the occurrence of accidents.
12. Important provisions in Motor Vehicles Act, 1988 (59 of 1988), Central Motor Vehicles Rules, 1989, and the State Motor Vehicles Rules	Certain definitions Driving licence and its renewal Carrying driving licence, certificates of registration, fitness and insurance,
	permit taxation card or tax token and production of such document on demand by checking officers Traffic offences and penalties stipulated under the Act and Rules Relevant

	Extracts of Petroleum Act, 1934 City Police Act Indian Penal Code, 1860.
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G. PUBLIC RELATIONS FOR DRIVERS

Some basic aspects about ethical and courteous behaviour with other road users.

H. HEAVY VEHICLE DRIVING PRACTICE

1. Introduction of various instruments	Dial gauges and controls.
2. Pre-driving checks	(i) Before sitting on driver's seat and (ii) After sitting on driver's seat.
3. Beginning to drive	Bitting point, moving, changing gear including double de-clutch steering, stopping, hand signals.
4. Rural road driving	Application of IBDE -- principle.
5. Development of judgment	Passing, overtaking, merging, diverging, M.S.M., and P.S.L. routine method of practice, defensive driving technique, proper following.
6. Development of anticipation	Turning, meeting, entering and emerging in junctions, lane selection and lane discipline, intersection, observation.
7. Developing skill to drive in crowded streets	
8. Night driving	
9. Cross country practice and hill driving	
10. Internal-trade test	
11. Reversing and parking practice	
12. Licensing	

I. FIRE HAZARDS

Fire-fighting and prevention methods on vehicle.

J. VEHICLE MAINTENANCE

1. Factors affecting the vehicle parts due to bad and negligent driving.
2. General day-to-day maintenance and periodical maintenance.
3. Battery maintenance.
4. Tyre maintenance and tube vulcanising.
5. Engine tune up.

6. Checking wheel alignment.
7. Brake adjustment.
8. Accelerator, brake, clutch-pedal adjustment.
9. Fan belt adjustments.
10. Observation of dash-board meters.
11. Lubrication.
12. Removal of air lock and oil block.

K. FIRST-AID

1. Introduction to first-aid.
2. Outline of first-aid.
3. Structure and functions of the body.
4. Dressings and bandages.
5. The circulation of the blood.
6. Wounds and haemorrhage.
7. Haemorrhage from special regions.
8. Shock.
9. Respiration.
10. Injuries to bones.
11. Burning scales.
12. Unconsciousness (insensibility).
13. Poisons.

⁸[(2) The lessons for training drivers of non-transport vehicles shall cover Parts A, B, C, F, G and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than twenty-one days:

Provided that, in case of motor cycles, it shall be sufficient compliance with the provisions, if portion of Part C of syllabus as applicable to such vehicles are covered.

(3) The lessons for training drivers of transport vehicles shall cover Parts E, F, G, H, I, J and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than thirty days:

Provided that this sub-rule shall not apply in respect of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicle who had undergone the lessons after the commencement of this rule, and desiring to obtain a driving licence to drive heavy goods vehicle or heavy passenger motor vehicle.

(4) The actual driving hours for trainees in driving non-transport vehicles shall not be less than ten hours and actual driving hours for trainees in driving transport vehicle shall not be less than fifteen hours:

Provided that, in the case of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicle undergoing training for heavy motor vehicles, it shall be sufficient if they undergo training in driving for a period of not less than five hours.

¹[(5) Nothing in this rule shall apply in the case of an applicant whose driving licence authorises him to drive a motor cycle or a three-wheeler non-transport vehicle or a motor car, applying for a licence to drive a motor cab of the respective type, or in the case of an applicant holding a driving licence to drive a tractor, applying for a licence to drive a tractor-trailer combination.]

(6) Where any trainee possesses first-aid certificate issued by St. John Ambulance Association, he need not undergo Part K of the syllabus referred to in sub-rule (1).]

⁷[31A. Temporary Licence.--

(1) Where there is no school or establishment as is referred to in sub-section (4) of section 12 or licence granted under sub-rule (4) of rule 24, in any taluk within the jurisdiction of the licensing authority, the licensing authority may, notwithstanding anything contained in sub-rules (3) and (4) of rule 24 or rule 25, grant a temporary licence to any establishment or any person for imparting instructions in the driving of a transport vehicle, subject to the following conditions, namely:--

(a) the temporary licence shall be valid for a period of one year from the date of its issue:

Provided that as long as the taluk does not have any school or establishment, the licensing authority may renew a temporary licence granted under this sub-rule for a further period not exceeding one year at a time;

(b) the person imparting instruction in the driving of a transport vehicle shall possess the following qualifications, namely:--

(i) a minimum driving experience of five years in the class of vehicles in which instruction is proposed to be imparted;

(ii) adequate knowledge of the regional language of the region in which the school or establishment is situated;

(iii) a thorough knowledge of traffic signs specified in the Schedule to the Act and the Regulations made under section 118;

(iv) ability to demonstrate and explain the functions of different components and parts of a vehicle;

(c) the applicant shall maintain a motor vehicle each of the type in which the instruction is imparted and also the following apparatus, namely:--

(i) blackboard;

(ii) traffic sign chart;

(iii) a service chart depicting a detailed view of all the components of a motor vehicle;

(iv) puncture kit with tyre lever, wheel brace, jack;

(v) spanners (a set each of fixed spanners, box spanners, screw driver, screw spanners and hammer).

(2) The driving schools run by a State Transport Undertaking or an Industrial Training Institute set up by the Central Government or any State Government and other establishments run by the Central Government or a State Government which have facilities for imparting training for drivers, shall be authorised to issue driving certificates in Form 5, subject to the condition that the training imparted in these schools shall be in accordance with the syllabus referred to in rule 31.]

32. Fees.--

The fees which shall be charged under the provisions of this Chapter shall be as specified in the Table below:

²⁴[TABLE

Serial No.	Purpose	Amount	Rule	Section
(1)	(2)	(3)	(4)	(5)
1.	In respect of issue ²⁹ [***] of learner's licence of each class of vehicle.	Thirty rupees	10	8
2.	In respect of issue of a driving licence in Form 6.	Forty rupees	14 (b)	9
¹⁸ [2A.	In respect of issue of International Driving Permit in Form 6A.	Five hundred rupees.	14(2)(b)	9]
3.	In respect of issue of a driving licence in Form 7.	¹³ [Two hundred rupees] including the cost of computerised chip	14 (b)	9
4.	For test of competence to drive.	Fifty rupees	14 (b)	9
5.	In respect of addition of another class of vehicle to driving licence in Form 6.	Thirty rupees	17 (1) (d)	11
6.	In respect of renewal of driving licence in Form 6.	¹³ [Fifty rupees]	18 (1) (a)	15
7.	In respect of renewal of a driving licence in Form 6 to drive a motor vehicle for which application is made after the grace period.	²⁵ [Hundred rupees and an additional fee at the rate of fifty rupees for a period of delay of one year or part thereof reckoned from the date of expiry of the grace		15

		period]		
³⁰ [8.	In respect of addition of another class of motor vehicle to the driving licence in Form 7	Two hundred rupees including the cost of computerized chip	17 (1) (d)	11
8A.		Two hundred fifty rupees including the cost of Smart Card.	18 (1) (d)	11
8B.	In respect of renewal of driving licence in Form 7 for which application is made after the grace period.	Two hundred rupees including the cost of computerized chip and additional fee at the rate of fifty rupees for a period of delay of one year or part there of reckoned from the date of expiry of the grace period.	18 (1) (d)	15]
9.	In respect of issue and renewal of licence to a school or establishment for imparting instructions in driving.	Two thousand and five hundred rupees	24 (2)	12
10.	In respect of issue of duplicate licence to the school or establishment for imparting instructions in driving.	Two thousand and five hundred rupees	26 (2)	12
11.	In respect of an appeal against the orders of licencing authority referred to in rule 30.	One hundred rupees	30 (1)	17]

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Item 3A ins. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
3. Item No. 5 omitted by G.S.R. 684 (E), dated 15th October, 1999 (w.e.f. 22-10-1999) and again ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and further omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
4. Item No. 6 omitted by G.S.R. 684 (E), dated 15th October, 1999 (w.e.f. 22-10-1999) and again ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
5. Item No. 7 omitted by G.S.R. 684 (E), dated 15th October 1999 (w.e.f. 22-10-1999) and again ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and further omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).

6. Rule 5 renumbered as sub-rule (1) thereof by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989) and subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999); by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
7. Ins. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
8. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 23-10-1989).
9. Proviso omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
10. Inserted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007. Earlier omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 22-10-1989).
11. Subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
12. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
13. Subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
14. Ins. by G.S.R. 933 (E), dated 28th October, 1989.
15. Clause (d) added by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
16. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
17. Rule 14 renumbered as sub-rule (1) thereof by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
18. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
19. Clause (c) omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
20. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
21. Sub-clauses (k) and (l) omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
22. Omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
23. Clause (vii) omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
24. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999); by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
25. Subs. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
26. Substituted by Notification No. GSR589(E) dated 16.09.2005 (w.e.f. 16.09.2005) for the following entry:-

1. Ration Card,

27. Inserted by Notification No. GSR589(E) dated 16.09.2005 (w.e.f. 16.09.2005).
28. Inserted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.
29. Omitted the words or renewal by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.
30. Substituted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

8.	In respect of addition to another class of motor vehicle to the driving licence in Form 7 and renewal of driving licence in Form 7.	¹³ [Two hundred rupees] including cost of computerised chip	17 (1) (d)18 (1) (a)	11
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CHAPTER III

REGISTRATION OF MOTOR VEHICLES

Trade certificate

33. Condition for exemption from registration.--

For the purpose of the proviso to section 39, a motor vehicle in the possession of a dealer shall be exempt from the necessity of registration subject to the condition that he obtains a trade certificate from the registering authority having jurisdiction in the area in which the dealer has his place of business in accordance with the provisions of this Chapter.

34. Trade certificate.--

(1) An application for the grant or renewal of a trade certificate shall be made in Form 16 and shall be accompanied by the appropriate fee as specified in rule 81.

(2) Separate applications shall be made for each of the following classes of vehicles, namely:--

- (a) motorcycle;
- (b) invalid carriage;
- (c) light motor vehicle;
- (d) medium passenger motor vehicle;
- (e) medium goods vehicle;
- (f) heavy passenger motor vehicle;
- (g) heavy goods vehicle;
- (h) any other motor vehicle of a specified description.

35. Grant or renewal of trade certificate.--

(1) On receipt of an application for the grant or renewal of a trade certificate in respect of a vehicle, the registering authority may, if satisfied that the applicant is a bona fide dealer and requires the certificates specified in the application, issue to the applicant one or more certificates, as the case may be, in Form 17 ²⁵[within thirty days from the date of receipt of such an application] and shall assign in respect of each certificate a trade registration mark consisting of the registration mark referred to in the notification made under sub-section (6) of section 41 and followed by two letters and a number containing not more than three digits for each vehicle, for example:--

AB--Represent State Code.

12--Registration District Code.

TC1--Trade certificate number for the vehicle.

(2) No application for trade certificate shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing.

36. Refund.--

Where the registering authority refuses to issue or renew a trade certificate, it shall refund to the applicant fifty per cent of the fee paid along with the application.

37. Period of validity.--

A trade certificate granted or renewed under rule 35 shall be in force for a period of twelve months from the date of issue or renewal thereof and shall be effective throughout India.

38. Issue of duplicate certificate.--

(1) If at any time the trade certificate is lost or destroyed, its holder shall report to the police station in the jurisdiction of which the loss or destruction has occurred and intimate the fact in writing to the registering authority by whom the certificate was issued and apply in Form 18 to the said authority for a duplicate certificate accompanied by the appropriate fee as specified in rule 81.

(2) On receipt of an application along with the fee, the registering authority may issue a duplicate trade certificate clearly marked "Duplicate".

(3) If after the issue of a duplicate certificate the original is traced, the same shall be surrendered forthwith to the registering authority by which it was issued.

39. Use of trade registration mark and number.--

(1) A trade registration mark and number shall not be used upon more than one vehicle at a time or upon any vehicle other than a vehicle bona fide in the possession of the dealer in the course of his business or on any type of vehicle other than the one for which the trade certificate is issued.

(2) The trade certificate shall be carried on a motor vehicle in a weather-proof circular folder and the trade registration mark shall be exhibited in a conspicuous place in the vehicle.

40. Restrictions on use of trade certificate or trade registration mark and number.--

A trade certificate shall be used only by the person to whom it is issued and such person shall not allow or offer or cause the certificate or the number assigned in connection therewith to be used by any other person:

Provided that the provision of this rule shall not apply where the person to whom the certificate is granted, or a person bona fide in his employment and acting under his authority, or any other person bona fide acting on behalf of the holder of a trade certificate is present in the vehicle, or if such vehicle is designed for use by only one person and is being used by a prospective purchaser of that vehicle for the purpose of reasonable test or trial.

41. Purposes for which motor vehicle with trade certificate may be used.--

The holder of a trade certificate shall not use any vehicle in a public place under that certificate for any purpose other than the following:--

- (a) for test, by or on behalf of the holder of a trade certificate during the course of, or after completion of, construction or repair; or
- (b) for proceeding to or returning from a weigh bridge for or after weighing, or to and from any place for its registration; or
- (c) for a reasonable trial or demonstration by or for the benefit of a prospective purchaser and for proceeding to or returning from the place where such person intends to keep it; or
- (d) for proceeding to or returning from the premises of the dealer or of the purchaser or of any other dealer for the purpose of delivery; or
- (e) for proceeding to or returning from a workshop with the objective of fitting a body to the vehicle or painting or for repairs; or
- (f) for proceeding to and returning from airport, railway station, wharf for or after being transported; or
- (g) for proceeding to or returning from an exhibition of motor vehicles or any place at which the vehicle is to be or has been offered for sale; or
- (h) for removing the vehicle after it has been taken possession of by or on behalf of the financier due to any default on the part of the other party under the provisions of an agreement of hire-purchase, lease or hypothecation.

42. Delivery of vehicle subject to registration.--

No holder of a trade certificate shall deliver a motor vehicle to a purchaser without registration, whether temporary or permanent.

43. Register of trade certificate.--

- (1) Every holder of a trade certificate shall maintain a register in Form 19 in duplicate which shall be in a bound book, with pages numbered serially.
- (2) The particulars referred to in Form 19 except the time of return under column 7, shall be entered in the register before the commencement of each trip by the holder of the trade certificate or his representative and a duplicate copy of Form 19 made prior to the commencement of each

trip shall be carried during the trip by the driver of the vehicle and shall be produced on demand by any officer empowered to demand production of documents by or under the Act.

(3) The holder of a trade certificate shall, at the end of a trip, fill in column 7 of Form 19 (both original and duplicate), and the register and the duplicate shall be open for inspection by the registering authority.

44. Suspension or cancellation of trade certificate.--

If the registering authority has reason to believe that the holder of any trade certificate has not complied with the provisions of rules 39 to 43, it may, after giving the holder an opportunity of being heard, suspend or cancel the trade certificate held by him.

45. Appeal.--

Any person aggrieved by an order of the registering authority under rule 35 or rule 44 may, within thirty days of the receipt of any such order, appeal to the head of the Motor Vehicles Department established under section 213.

46. Procedure for appeal.--

(1) The appeal referred to in rule 45 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order, of the registering authority and shall be accompanied by the appropriate fee as specified in rule 81 and a certified copy of the order appealed against.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such enquiry, if any, as it deems necessary, pass appropriate orders ²⁵[within the period of thirty days from the date of receipt of such an appeal].

Registration

47. Application for registration of motor vehicles.--

(1) An application for registration of a motor vehicle shall be made in Form 20 to the registering authority within a period of ¹[seven days] from the date of taking delivery of such vehicle, excluding the period of journey and shall be accompanied by--

(a) sale certificate in Form 21;

(b) valid insurance certificate;

²[(c) copy of the proceedings of the State Transport Authority or Transport Commissioner or such other authorities as may be prescribed by the State Government for the purpose of approval of the design in the case of a trailer or a semi trailer;]

(d) original sale certificate from the concerned authorities in Form 21 in the case of ex-army vehicles;

(e) proof of address by way of any one of the documents referred to in rule 4;

(f) temporary registration, if any;

(g) road-worthiness certificate in Form 22 from the manufacturers, ³[Form 22A] from the body-builders;

⁴[(h) custom's clearance certificate in the case of imported vehicles along with the licence and bond, if any:

Provided that in the case of imported vehicles other than those imported under the Baggage Rules, 1998, the procedure followed by the registering authority shall be same as those procedure followed for registering of vehicles manufactured in India, and;]

(i) appropriate fee as specified in rule 81.

²⁷[(j) proof of citizenship.

(k) Proof of legal presence in India in addition to proof of residence in case of foreigners.]

(2) In respect of vehicles temporarily registered, application under sub-rule (1) shall be made before the temporary registration expires.

48. Issue of certificate of registration.--

On receipt of an application under rule 47 and after verification of the documents furnished therewith, the registering authority shall, subject to the provisions of section 44, issue to the owner of the motor vehicle a ⁵[certificate of registration in Form 23 or Form 23A, as may be specified in the Notification issued by the concerned State Government or Union Territory Administration ²⁵[within the period of thirty days from the receipt of such an application]]:

³[Provided that where the certificate of registration pertains to a transport vehicle it shall be handed over to the registered owner only after recording the certificate of fitness in Form 38 ²⁵[within the period of thirty days from the date of receipt of such an application].]

49. Registration records to be kept by the registering authority.--

Every registering authority shall keep in Form 24 a permanent register of motor vehicles registered by it under section 41 and of motor vehicles of other States for which new registration marks are assigned by it under sub-section (2) of section 47 and shall also enter in such record under the respective registration numbers, all changes made with reference to the provisions of sub-section (10) or sub-section (14) of section 41, sub-section (5) of section 49, sub-section (6) of section 50, subsections (1), (2), (3) and (5) of section 51, sub-section (4) of section 52, orders of suspension under section 53 and order of cancellation under sections 54 and 55.

²[50. Form and manner of display of registration marks on the motor vehicles.--

⁶[(1) On or after commencement of this rule, the registration mark referred to in sub-section (6) of section 41 shall be displayed both at the front and at the rear of all motor vehicles clearly and legibly in the form of security license plate of the following specifications, namely:--

(i) the plate shall be a solid unit made of 1.0 mm aluminium conforming to DIN 1745/DIN 1783 or ISO 7591. Border edges and corners of the plate shall be rounded to

avoid injuries to the extent of approx. 10 mm and the plates must have an embossed border. The plate shall be suitable for hot stamping and reflective sheet has to be guaranteed for imperishable nature for minimum five years. The fast colouring of legend and border to be done by hot stamping;

(ii) the plate should bear the letters "IND" in blue colour on the extreme left center of the plate. The letter should be one fourth of the size of letters mentioned in rule 51 and should be buried into the foil or applied by hot stamping and should be integral part of the plate;

(iii) each plate shall be protected against counterfeiting by applying chromium-based hologram, applied by hot stamping. Stickers and adhesive labels are not permitted. The plate shall bear a permanent consecutive identification number of minimum seven digits, to be laser branded into the reflective sheeting and hot stamping film shall bear a verification inscription;

(iv) apart from the registration marks on the front and rear, the third registration mark in the form of self-destructive type, chromium based hologram sticker shall be affixed on the left-hand top side of the windshield of the vehicle. The registration details such as registration number, registering authority, etc., shall be printed on the sticker. The third registration mark shall be issued by the registering authorities/ approved dealers of the license plates manufacturer alongwith the regular registration marks, and thereafter if such sticker is destroyed it shall be issued by the licence plate manufacturer or his dealer;

(v) the plate shall be fastened with non-removable/non-reusable snap lock fitting system on rear of the vehicle at the premises of the registering authority;

The licence plates with all the above specifications and the specified registrations for a vehicle shall be issued by the registering authority or approved the licence plates manufacturers or their dealers. The Central Road Research Institute, New Delhi or any of the agency authorized by the Central Government shall approve the license plates manufacturers to the above specification;

(vi) the size of the plate for different categories of vehicles shall be as follows:--

For two and three wheelers	200 x 100 mm
For light motor vehicles/passenger cars	340 x 200 mm/ 500 x 120 mm
For medium commercial vehicles, heavy commercial vehicles and Trailer/combination	340 x 200 mm

Provided that this sub-rule shall apply to already registered vehicles two years from the date of commencement:]

⁷[Provided further that the size of the registration plates for agricultural tractors shall be as follows:--

Front -- 285 x 45 mm

Rear -- 200 x 100 mm.]

²⁵[Provided also that the size of registration plate for power tiller shall be 285x45 mm and shall be exhibited at the front. Further, in case of trailer coupled to power tiller, the size of registration plate shall be 200x100 mm and shall be exhibited on its rear.

Provided also that in case of a motor cycle, the size of 285 x 45mm for front registration plate shall also be permitted.]

(2) In the case of motor cycles the registration mark in the front shall be displayed parallel to the handle bar on any part of the vehicle including mudguard facing the front instead of, on a plate in line with the axis of the vehicle:]

Provided that --

(a) the registration mark exhibited at the rear of a transport vehicle shall be affixed to the vehicle on the right hand side at a distance not exceeding one metre from the ground as may be reasonably possible having regard to the type of the body of the vehicle;

(b) the registration mark shall also be painted on the right and left side on the body of the vehicle in the case of a transport vehicle;

(c) the registration mark shall also be painted and exhibited on the partition provided between the driver and the passengers, facing the passengers' seats or, where there is no such partition, on the front interior of the vehicle near the roof to the left side of the driver's seat facing the passengers' seats in the case of a stage carriage or a contract carriage and in the case of a motor cab or a taxi cab it shall be sufficient if the registration mark is painted on the dash-board;

⁸[(d) the letters of the registration mark shall be in English and the figures shall be in Arabic numerals and shall be shown--

(A) in the case of transport vehicles in Black colour on Yellow background; and

(B) in other cases, in Black colour on White background,

the registration mark on the trailer shall be exhibited on the left hand side in Black colour on Yellow background. In addition, the registration mark on the drawing vehicle shall be exhibited on the trailer also and this shall be done on the right hand side at the rear of the trailer or the last trailer as the case may be, in Black colour on retro-reflective type Yellow background:

Provided that where provisions of this clause have not been complied with in respect of motor vehicle, on or before the commencement of the Central Motor Vehicles (8th Amendment) Rules, 2001, then the provisions shall be complied with,--

(i) in respect of transport vehicle, on or before 1st February, 2002; and

(ii) in other cases, on or before 1st July, 2002.]

³[(3) The registration mark shall be exhibited in two lines, the State code and registering authority code forming the first line and the rest forming the second line, one below the other:

Provided that the registration mark in the front may be exhibited in one line:

Provided further that in models of two vehicles having no sufficient provision at the rear to exhibit the registration mark in two lines, it shall be sufficient if in such vehicles registration mark is exhibited in a single line:

Provided further that registration mark on a light motor vehicle may be in the centre with illumination.

(4) Every motor vehicle, except motor cab and motor car, manufactured on and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, shall be provided with sufficient space in the rear for display of registration mark in two lines.

(5) In case of agricultural tractors, the registration mark need not be inclined to the ⁹[vertical plane by more than 45 degrees].

(6) The registration mark of the drawing agricultural tractor may not be exhibited on the agricultural trailer or trailers.]

²[51. Size of letters and numerals of the registration mark.--

The dimension of letters and figures of the registration mark and the space between different letters and numerals and letters and edge of the plain surface shall be as follows:--

Sl. No.	Class of vehicle		Dimensions not less than		
			Height	Thickness	Space between
1	2		3	4	5
1.	All motor cycles and three-wheeled invalid carriages	Rear letters	35	7	5
2.	All motor cycles and three-wheeled invalid carriages	Rear numeral	40	7	5
3.	Motor cycles engine capacity less than 70 cc	With front letters & numerals	15	2.5	2.5
4.	Other motor cycles	Front-letters & numerals	30	5	5
¹⁰ [5.	Three-wheelers of engine capacity not exceeding 500 cc	Rear & front numerals & letters	35	7	5
6.	Three-wheelers of engine capacity exceeding 500 cc	Rear & front numerals & letters	40	7	5
7.	All other motor vehicles	Rear & front letters & numerals	65	10	10]
²⁵ [8.	Power tillers	Front letters and numerals	15	2.5	2.5
9.	Trailers coupled to power tillers	Rear letters and	30	5	5]

		numerals			
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52. Renewal of certificate of registration.--

(1) An application by or on behalf of the owner of a motor vehicle, other than a transport vehicle, for the renewal of a certificate of registration, shall be made to the registering authority in whose jurisdiction the vehicle is, in Form 25 not more than sixty days before the date of its expiry, accompanied by the appropriate fee as specified in rule 81.

(2) On receipt of an application under sub-rule (1), the registering authority shall refer the vehicle to the authority referred to in sub-section (1) of section 56 and after obtaining a certificate of fitness from that authority, renew the certificate of registration:

Provided that in a case where the certificate of fitness is granted on a date after the expiry of a certificate of registration, the renewal shall be made from the date of grant of the certificate of fitness for a period of five years.

(3) A motor vehicle other than a transport vehicle shall not be deemed to be validly registered for the purposes of section 39, after the expiry of the period of validity entered in the certificate of registration and no such vehicle shall be used in any public place until its certificate of registration is renewed under sub-rule (2).

53. Issue of duplicate certificate of registration.--

(1) If at any time, the certificate of registration is lost or destroyed the owner shall report to the police station in the jurisdiction of which the loss or destruction has occurred and intimate the fact in writing to the registering authority by whom the certificate of registration was issued.

(2) An application for the issue of a duplicate certificate of registration shall be made to the ¹¹[last registering authority] in Form 26 and shall be accompanied by the appropriate fee as specified in rule 81.

54. Assignment of new registration mark.--

(1) An application for the assignment of a new registration mark under sub-section (1) of section 47 shall be made in Form 27 and shall be accompanied by a no-objection certificate in Form 28 along with the appropriate fee as specified in rule 81, within a period of thirty days from the date of expiry of the period specified in the said section:

Provided that where a motor vehicle is intended to be kept in a State for a period exceeding twelve months and the owner of such vehicle makes a declaration to that effect, the application may be made at any time within the said period of twelve months.

(2) On receipt of an application under sub-rule (1) the registering authority shall, subject to the provision of section 44, assign to the vehicle the registration mark.

55. Transfer of ownership.--

(1) Where the ownership of a motor vehicle is transferred, the transferer shall report the fact of transfer in Form 29 to the registering authorities concerned in whose jurisdiction the transferor and the transferee reside or have their place of business.

(2) An application for the transfer of ownership of a motor vehicle under sub-clause (i) of clause (a) of sub-section (1) of section 50 shall be made by the transferee in Form 30, and shall be accompanied by--

- (i) the certificate of registration;
- (ii) the certificate of insurance; and
- (iii) the appropriate fee as specified in rule 81.

(3) An application for transfer of ownership of a motor vehicle under sub-clause (ii) of clause (a) of sub-section (1) of Section 50 shall be made by the transferee in Form 30 and shall, in addition to the documents and fee referred to in sub-rule (2), be accompanied by one of the following documents, namely:--

- (a) a no-objection certificate granted by the registering authority under sub-section (3) of section 48; or
- (b) an order of the registering authority refusing to grant the no-objection certificate under sub-section (3) of section 48; or
- (c) where the no objection certificate or the order, as the case may be, has not been received, a declaration by the transferor that he has not received any such communication together with--
 - (i) the receipt obtained from the registering authority under sub-section (2) of section 48; or
 - (ii) the postal acknowledgment received from the registering authority where the application for no-objection certificate has been sent by post.

56. Transfer of ownership on death of owner of the vehicle.--

(1) Where the owner of a motor vehicle dies, the person succeeding to the possession of the vehicle may for a period of three months, use the vehicle as if it has been transferred to him where such person has, within thirty days of the death of the owner informs the registering authority of the occurrence of the death of the owner and of his own intention to use the vehicle.

(2) The person referred to in sub-rule (1) shall apply in Form 31 within the period of three months to the said registering authority for the transfer of ownership of the vehicle in his name, accompanied by--

- (a) the appropriate fee as specified in rule 81;
- (b) the death certificate in relation to the registered owner;
- (c) the certificate of registration; and
- (d) the certificate of insurance.

57. Transfer of ownership of vehicle purchased in public auction.--

(1) The person who has acquired or purchased a motor vehicle at a public auction conducted by or on behalf of the Central Government or a State Government shall make an application in Form

32 within thirty days of taking possession of the vehicle to the registering authority accompanied by--

- (a) the appropriate fee as specified in rule 81;
- (b) the certificate of registration and insurance;
- (c) the certificate or order confirming the sale of the vehicle in his favour duly signed by the person authorised to conduct the auction; and
- (d) the certified copy of the order of the Central Government or State Government authorising the auction of the vehicle.

(2) Where the vehicle auctioned is a vehicle without any registration mark or with a registration mark which on verification is found to be false, the registering authority shall, subject to the provisions of section 44, assign a new registration mark to the vehicle in the name of the Department of the Central Government or State Government auctioning the vehicle and thereafter record the entries of transfer of ownership of the vehicle giving the name and address of the person to whom the vehicle is sold:

¹²[Provided that motor vehicle in the name of the Central Government or State Government shall not be transferred by the concerned registering authority without verifying the proceeding of the auction or disposal of the concerned vehicle.]

58. No-objection certificate.--

(1) An application for the issue of a no-objection certificate under section 48 in respect of a motor vehicle shall be made in Form 28 to the registering authority by which the vehicle was previously registered, accompanied by--

- (a) the certified copy of the certificate of registration;
- (b) the certified copy of the certificate of insurance;
- (c) evidence of payment of motor vehicle tax up-to-date;
- (d) where no tax is payable for a certain period a certificate from the tax-collecting authority that no tax is due from the vehicle for the said period.

(2) In the case of a transport vehicle, in addition to the documents referred to in sub-rule (1), documentary evidence in respect of the following matters shall also be furnished, namely:--

- (a) that the vehicle is not covered by any permit issued by any transport authority;
- (b) that the sum of money agreed upon to be paid by the holder of the permit under sub-sections (5) and (6) of section 86, if any, is not pending recovery;
- (c) evidence of payment of tax on passengers and goods under any law for the time being in force upto the date of application for a no-objection certificate.

(3) On receipt of an application under sub-rule (1), the registering authority shall fill Part-III of Form 28 and return that part to the applicant duly signed.

(4) Where the registering authority grants or refuses to grant the no-objection certificate, it shall return the duplicate copy of the said Form to the applicant and the triplicate copy to the other registering authority after duly filling and signing Part II thereof.

59. Change in residence.--

An application for recording a change in the residence in the certificate of registration of a motor vehicle shall be made by the owner of the vehicle in Form 33 accompanied by the certificate of registration and proof of address in the manner specified in the rule 4 and the appropriate fee as specified in rule 81.

60. Endorsement of hire-purchase agreements, etc.--

An application for making an entry of hire-purchase, lease or hypothecation agreement in the certificate of registration of a motor vehicle required under sub-section (2) of section 51 shall be made in Form 34 duly signed by the registered owner of the vehicle and the financier and shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81.

61. Termination of hire-purchase agreements, etc.--

(1) An application for making an entry of termination of agreement of hire purchase, lease or hypothecation referred to in sub-section (3) of section 51 shall be made in Form 35 duly signed by the registered owner of the vehicle and the financier, and shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81.

(2) The application for the issue of a fresh certificate of registration under subsection (5) of section 51 shall be made in Form 36 and shall be accompanied by a fee as specified in rule 81.

(3) Where the registered owner has refused to deliver the certificate of registration to the financier or has absconded then the registering authority shall issue a notice to the registered owner of the vehicle in Form 37.

Certificate of fitness

62. Validity of certificate of fitness.--

(1) A certificate of fitness in respect of a transport vehicle granted under section 56 shall be in Form 38 and such certificate when granted or renewed shall be valid for the period as indicated below:

(a) new transport vehicle	two years
(b) renewal of certificate of fitness in respect of vehicles mentioned in (a) above ¹³ [***]	one year
²⁶ [(c) renewal of certificate of fitness in respect of vehicles covered under rule 82 of these rules	one years]
(d) fresh registration of imported vehicles	same period as in the case of vehicles manufactured in India having regard to the

	date of manufacture:
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¹⁵[Provided that the renewal of a fitness certificate shall be made only after the
¹⁶[Inspecting Officer or authorised testing stations as referred to in sub-section (1) of section 56 of the Act] has carried the tests specified in the Table given below, namely:--

TABLE

Item	Check Fitment	Check make/type/rating, etc. as per original equipment recommendations	Check conditions	Check functioning	Test	Remarks
1	2	3	4	5	6	7
Spark Plug/Suppressor cap/High Tension cable	Yes	Yes	Yes	No	No	
Head Lamp Beams	Yes	No	Yes	Yes	Check	Beam focus as per Annexure VII
Other Lights	Yes	No	Yes	Yes	No	Also ensure that unauthorized lights are not fitted
Reflectors	Yes	No	Yes	No	No	Ensure colour of reflectors and reflective tapes are as per rule 104
Bulbs	Yes	Yes	Yes	No	No	Ensure that head light bulbs wattage, especially halogen is not higher than those indicated in IS 1606-1993 and also ensure that halogen bulbs with P45t caps are not used in all vehicles
Rear View Mirror	Yes	No	Yes	No	No	
Safety Glass	Yes	Yes	Yes	No	No	Laminated windscreen glass is used for vehicles

						manufactured from April, 1996 onwards
Horn	Yes	No	Yes	Yes	No	
Silencer	Yes	No	Yes	Yes	No	Ensure no leakage
Dash board equipment	Yes	No	Yes	Yes	No	
Wind shield wiper	Yes	No	Yes	Yes	No	
Exhaust emission	No	No	No	No	Yes	Pollution Under Control Certificate
Braking System	Yes	No	Yes	Yes	Yes	As per rule 96(8)
Speedometer	Yes	No	Yes	Yes	No	As per rule 117
Steering gear	Yes	No	Yes	Yes	Check free play	Check freeplay as per rule 98 for vehicles with steering wheel

Explanation.--"Inspecting Officer" means an Officer appointed by the State Government under section 213 of the Act.]

(2) The fee for the grant or renewal of a certificate of fitness shall be specified in rule 81.

63. Regulation and control of authorised testing station.--

(1) No operator of an authorised testing station shall issue or renew a certificate of fitness to a transport vehicle under section 56 without a letter of authority in Form 39 granted by the registering authority.

(2) An application for grant or renewal of a letter of authority under sub-rule (1) shall be made in Form 40 to the registering authority having jurisdiction in the area in which the service station or garage is situated and shall be accompanied by,--

(a) the appropriate fee as specified in rule 81;

(b) a security deposit of ²[rupees one lakh] in such manner as may be specified by the State Government.

Explanation--For the purpose of this rule and rules 64 to 72, the registering authority means an officer not below the rank of the regional transport officer of the Motor Vehicles Department established under section 213.

(3) A registering authority shall, when considering an application for the grant or renewal of a letter of authority, have regard to the following matters, namely:--

(a) the applicant or at least one of the members of the staff employed by him for the inspection of transport vehicles for the purpose of issue or renewal of certificate of fitness possesses the following minimum qualifications:--

(i) a ¹⁷[three years] diploma in automobile engineering or mechanical engineering or an equivalent qualification;

(ii) experience of minimum service of five years in an automobile workshop undertaking repairs of heavy goods vehicles, heavy passenger motor vehicles, medium motor vehicles and light motor vehicles;

(iii) a driving licence to drive motorcycles, heavy passenger motor vehicles and heavy goods vehicles with a minimum driving experience of not less than five years;

(iv) thorough knowledge of the Act and the rules made thereunder, especially the Chapters relating to registration of motor vehicles and construction, equipment and maintenance of motor vehicles;

(b) the premises where the authorised testing station is to be housed is either owned by the applicant or is taken on lease by him or is hired in his name and it has ²[minimum of one acre of land] for administrative section, reception room and ²[sanitary block and space for erection] of testing equipments and other apparatus;

(c) inspection lanes are provided adjacent to the building in the same compound or at other places approved by the registering authority;

(d) testing equipments and apparatus are installed in such manner that vehicles may pass through with ease and speed;

¹[(e) the applicant maintains in good condition, the equipment and apparatus for undertaking test pertaining to ¹⁰[exhaust gas, engine tuning, engine analysis] smoke emission, brake system, head-lights, wheel alignments, compressors, speedometers and other like components;]

(f) the financial resources of the applicant are sufficient to provide for its continued maintenance.

(g) The applicant maintains an up-to-date copy of the Act, these Rules and the concerned State Motor Vehicles Rules.

(4) The registering authority shall also, when considering an application under this rule, take into consideration the fact that the setting up of the authorised testing station will improve the availability of testing facilities in the area both in relation to the number of vehicles and proximity to such facilities.

(5) The registering authority may, on receipt of an application under sub-rule (2) and after satisfying himself that the applicant has complied with the requirements of sub-rules (3) and (4), grant or renew the letter of authority in Form 39:

Provided that no application for a letter of authority shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the registering authority.

64. Duration of letter of authority.--

A letter of authority granted or renewed shall be effective for a period of five years from the date of grant or renewal.

65. General conditions to be observed by the holder of letter of authority.--

The holder of a letter of authority shall--

- (a) maintain a register with a separate page for each vehicle containing the registration number of the vehicle for which the certificate of fitness is granted or renewed, the make and model of the vehicle, the engine number and the chassis number of the vehicle along with the pencil point of the chassis number, the name and address of the owner of the vehicle, particulars of any permit of such vehicle, period of validity of certificate of fitness granted or renewed and the signature of the owner of the vehicle or his authorised representative;
- (b) forward the particulars of the transport vehicles for which certificates of fitness have been granted or renewed and the period of validity of such certificate, within two days of grant or renewal of the certificate of fitness, to the authority which has granted the permit and where the transport vehicle is not covered by a permit, to the transport authority in whose jurisdiction the vehicle is kept;
- (c) issue to every transport vehicle satisfying the requirements of section 56, a certificate of fitness in accordance with the provisions of rule 62;
- (d) not shift the place of business mentioned in the letter of authority without the prior approval in writing of the registering authority which granted the letter of authority;
- (e) keep the premises of the testing station and the records and registers maintained by it and all the machinery, equipment and apparatus in the premises at all reasonable times open for inspection by the registering authority or any person of the Motor Vehicles Department of the State Government established under section 213 authorised in this behalf by the registering authority;
- (f) display at a prominent place in its main office the following:--
 - (i) the letter of authority in original issued to the authorised testing station by the registering authority;
 - (ii) the name and address of the person authorised to issue or renew the certificate of fitness;
 - (iii) the qualifications of the persons referred to in clause (a) of sub-rule (3) of Rule 63;
- (g) not charge a fee for inspection of a vehicle for the purpose of issue or renewal of the appropriate certificate of fitness in excess of the fee specified in rule 81;

(h) surrender to the Regional Transport Authority having jurisdiction over the area, the register referred to in clause (a) as soon as entries in all the pages in the register are completed and in any case not later than two days after such completion.

66. Issue of duplicate letter of authority.--

(1) If at any time the letter of authority granted or renewed under sub-rule (5) of rule 63 is lost or destroyed, the holder of the letter of authority shall report to the police station in the jurisdiction of which the loss or destruction has occurred and intimate the fact in writing to the registering authority which granted or renewed the letter of authority and shall apply for a duplicate.

(2) On receipt of an application along with the appropriate fee as specified in rule 81, the registering authority may issue a duplicate letter of authority clearly marked "Duplicate".

(3) If after the issue of a duplicate letter of authority, the original is traced, the same shall be surrendered forthwith to the registering authority by which it was issued.

67. Supervision of authorised testing stations.--

The registering authority or any officer of the Motor Vehicles Department of the State Government duly authorised in this behalf by the registering authority may, at any time, conduct test checks at the premises of the authorised testing station with a view to ensure that the vehicles are properly tested by the authorised testing station.

68. Power of registering authority or Regional Transport Authority to call for information.--

The authorised testing station shall submit to the registering authority or the Regional Transport Authority having jurisdiction in the area, such information or returns as may be called for by such authority from time to time.

69. Power of registering authority to suspend or cancel the letter of authority or forfeit security deposit.--

(1) If the registering authority is satisfied after giving the holder of a letter of authority an opportunity of being heard, that he has--

(a) failed to maintain the equipment, machinery and apparatus referred to in sub-clause (e) of sub-rule (3) of rule 63 in good condition; or

(b) failed to comply with the other requirements laid down in sub-rule (3) of rule 63; or

(c) failed to observe correct standards of testing before granting or renewing certificates of fitness as noticed at the time of test-checking referred to in rule 67 or the frequency of accidents involving transport vehicles covered by certificates of fitness granted or renewed by the authorised testing station attributable to any mechanical defect of the vehicle,

it may--

(i) suspend the letter of authority for a specified period; or

(ii) cancel the letter of authority; or

(iii) order forfeiture of the security deposit furnished by the authorised testing station.

(2) Where the letter of authority is suspended or cancelled under sub-rule (1), the holder of the letter of authority shall surrender the same to the registering authority forthwith.

(3) Where the security deposit is forfeited under sub-rule (1), the holder of the letter within thirty days of the receipt of the order of forfeiture, remit to the registering authority the amount ordered to be forfeited so that the requirement of sub-rule (2) of rule 63 in relation to deposit of security is complied with.

70. Appeal.--

Any person aggrieved by an order of the registering authority under sub-rule (5) of rule 63 or sub-rule (1) of rule 69, may, within thirty days of the receipt of the order, appeal to the Head of the Motor Vehicles Department of the State Government established under section 213.

71. Procedure for appeal.--

(1) An appeal under rule 70 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the registering authority and shall be accompanied by the appropriate fee as specified in rule 81 and a certified copy of such order.

(2) The appellate authority may, after giving an opportunity to the parties to be heard and after such enquiry as it may deem necessary, pass appropriate orders.

72. Voluntary surrender of letter of authority.--

(1) The holder of a letter of authority may, at any time, surrender the letter of authority issued to him, to the registering authority which has granted the letter of authority and on such surrender, the registering authority shall cancel the letter of authority forthwith.

(2) On cancellation of the letter of authority under sub-rule (1), the registering authority shall refund to the holder of the letter of authority, the amount of security deposit referred to in sub-rule (2) of rule 63 in full and without any interest.

73. Tax clearance certificate to be submitted to the testing station.--

No authorised testing station shall accept an application for the grant or renewal of a certificate of fitness unless the same is accompanied by a tax clearance certificate in such form as may be specified by the State Government, from the Regional Transport Officer or Motor Vehicle Inspector having jurisdiction in the area to the effect that the vehicle is not in arrears of motor vehicle tax or any compounding fee referred to in sub-sections (5) and (6) of section 86.

Registration of Vehicles belonging to the Central Government used for Defence Purposes

74. Assignment of registration marks to the vehicles belonging to the Central Government used for defence purposes.--

The authority referred to in sub-section (1) of section 60 shall assign registration marks to the vehicles belonging to the Central Government and used for defence purposes in the following manner, namely:--

A group of figures followed by a single capital letter, a broad arrow, not more than six figures and a capital letter or a group of letters. The registration mark shall be in English letters and Arabic numerals.

State Register of Motor Vehicles

75. State register of motor vehicles.--

(1) Each State Government shall maintain a State register of motor vehicles in respect of motor vehicles registered in the State in Form 41.

(2) Each ¹⁸[State Government shall, if so desired by the Central Government] ¹⁹[***] send to the Director (Transport Research), Ministry of Surface Transport, New Delhi, a printed copy of the register referred to in sub-rule (1).

Special Provision for Registration of Motor Vehicles of Diplomatic Officers, etc.

76. Registration of vehicles of diplomatic and consular officers.--

(1) Every application for registration of a motor vehicle under sub-section (1) of section 42 by or on behalf of any diplomatic officer or consular officer shall be made in triplicate by the head of the mission or consular officer in Form 42 and be addressed to the registering authority through the Competent Authority accompanied by the relevant documents and fees referred to in rule 47.

(2) The Competent Authority shall forward one copy of the application to the registering authority concerned together with a statement certifying the status of the person applying for registration and shall return one copy of the application to the applicant. The third copy of the application may be retained by the Competent Authority for record.

(3) The registering authority shall, on receipt of the application duly endorsed under sub-rule (2), register the vehicle, subject to the provisions of section 44.

(4) The registering authority shall issue to the owner of a motor vehicle registered by it under sub-rule (3), a certificate of registration in Form 43 and shall enter in a register to be kept by it, particulars of such certificate.

(5) The registering authority shall assign to the motor vehicle for display thereon in the manner specified in rule 77, the registration mark in accordance with sub-rule (6) or sub-rule (7), as the case may be.

¹⁸[(6) A motor vehicle belonging to a diplomatic mission in Delhi or to any of its diplomatic officer shall be assigned a registration mark consisting of the letters "CD" preceded by the number allotted to the mission by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority in the following manner, namely:--

(i) an official vehicle meant for the use of the head of a mission shall be allotted the number "1";

(ii) personal vehicles of the head of the mission shall be allotted the number "1", followed consecutively, in alphabetical order, by a letter beginning with the letter "A";

(iii) official vehicles, other than those referred to in clause (i), shall be allotted consecutive numbers beginning with the number "2";

(iv) vehicles belonging to other officers of the mission shall be allotted numbers in consecutive order after the last number allotted under clause (iii);

(v) vehicles acquired by a mission or by its diplomatic officer other than heads of missions, shall be allotted numbers in consecutive order after the last number allotted under clause (iv) irrespective of whether such vehicle is for official or personal use of the mission or any of its officers;

(vi) a number allotted to a vehicle under any of the clauses (i) to (iv), which is lying unutilised due to sale or export of such vehicle or cancellation of its number may be allotted to another vehicle under the same clause in respect of which an application has been made under sub-rule (1).]

(7) A motor vehicle belonging to a consular post¹⁸[headed by a carrier consular officer] or to any of its officers shall be assigned a registration mark consisting of the letters "CC" preceded by the number of the post allotted to it by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority out of a block of numbers allotted for that post in the following manner, namely:--

(i) an official vehicle meant for the use of the head of a consular post shall be allotted the first number from the block of numbers allotted to that post;

(ii) personal vehicles of the Consul-General shall be allotted the number referred to in clause (i), followed consecutively in alphabetical order by a letter beginning with the letter "A";

(iii) official vehicles other than those referred to in clause (i), shall be allotted consecutive numbers beginning with the second number from the block of numbers allotted to the post;

(iv) vehicles belonging to other officers of the post shall be allotted numbers in consecutive order after the last number allotted under clause (iii);

(v) vehicles acquired by a post, or by its consular officers, other than the head of the post shall be allotted numbers in consecutive order after the last number allotted under clause (iv) irrespective of whether such vehicle is for official or personal use of the post or any of its officers;

(vi) a number allotted to a vehicle under any of the clauses (i) to (v), which is lying unutilised due to sale or export of such vehicle or cancellation of its number, may be allotted to another vehicle under the same clause in respect of which an application has been made under sub-rule (i).

²⁰[Explanation--For the purposes of this rule and rules 77, 78 and 79, "competent authority" means:--

(i) in relation to a diplomatic officer or a consular officer who has his residence in Delhi, the Chief of Protocol to the Government of India in the Ministry of External Affairs; and

(ii) in relation to a diplomatic officer or a consular officer who has his residence at any other place, the Secretary (Transport) to the State Government.]

²¹[(8) Consular posts headed by Honorary Consular Officers shall use standard size number plates bearing ordinary registration number provided by the concerned registration authorities. They, may however, use the word "name of the country followed by CC (Honorary)" in the same font and colour (i.e. the numbers and letters in white colour on black background) but in letters smaller than the registration number on a maximum of two of their vehicles.]

²²[76A. Application of rules 76 to 80 to organisations notified under the United Nations (Privileges and Immunities) Act, 1947.--

The provisions of rules 76 and 77 to 80 shall apply to the motor vehicles of diplomatic officers of the organisations notified under the United Nations (Privileges and Immunities) Act, 1947 (46 of 1947) as they apply to a diplomatic officer or consular officer with the modification that in rule 76,--

(a) in sub-rule (6), for the letters "CD", the letters "UN" shall be substituted; and

(b) in sub-rule (7), for the letters "CC", the letters "UN" shall be substituted.]

²³[76B. Registration of vehicles of home-based non-diplomatic official of diplomatic missions or consular posts.--

(1) A motor vehicle belonging to a non-diplomatic official of a diplomatic mission or a consular post in Delhi shall be assigned a registration mark consisting of letters "CDP" preceded by the number allotted to the mission or post by the Ministry of External Affairs of the Government of India followed by a number allotted to the vehicle by the registering authority.

(2) A motor vehicle belonging to a home-based non-diplomatic official of a consular post outside Delhi shall be assigned a registration mark consisting of the letters "CCP" preceded by the number of the post allotted to it by the Ministry of External Affairs of the Government of India and followed by the number allotted to the vehicle by the registering authority.]

77. Exhibition of registration mark.--

(1) The registration mark assigned under sub-rules (5) to (7) of rule 76 shall be clearly exhibited in reflecting colour both at the front and rear of the vehicle on the plain surface of a plate or part of the vehicle and the size of which shall be 41 centimetres by 14 centimetres--

(i) with deep blue background, the registration mark and the number being in white in the case of motor vehicles referred to in sub-rule (6) of rule 76;

(ii) with yellow background, the registration mark and the number being in black, in the case of motor vehicles referred to in sub-rule (7) of rule 76.

²³[(iii) with light green background, the registration mark and the number being in white in case of motor vehicles referred to in rule 76B.]

(2) The registration mark shall be in English letters and Arabic numerals and--

(i) save in the case of a motorcycle or an invalid carriage, the letters shall be not less than 6 centimetres high and 2 centimetres thick at any part, the numerals shall be not less than 9 centimetres high and 2 centimetres thick at any part, and there shall be a space between any letter and any numeral and between any letter or any numeral and the edge of the plain surface of not less than 1 centimetre and a space between any two letters and between any two numerals of not less than 1 centimetre; and

(ii) in the case of a motorcycle or an invalid carriage, the dimensions of the letters and figures shall not be less than two-thirds of those specified in clause (i).

(3) The plain surface referred to in sub-rule (2) shall not be inclined from the vertical by more than thirty degrees. The letters and numerals shall be exhibited as follows:--

(i) in the case of a transport vehicle, the registration mark shall be exhibited in two separate horizontal lines, the number allotted to the mission or post and the letters forming the first line followed by the number allotted by the registering authority in the second line; and

(ii) in all other cases, the registration mark may exhibit the letters and numerals either in two horizontal lines as aforesaid or in one horizontal line.

(4) Notwithstanding anything contained in sub-rule (1), the registration mark exhibited at the front of a motorcycle or an invalid carriage may be displayed on a plate in line with the axis of the vehicle and shall, in such a case, be displayed on both sides of the plate.

(5) In the case of a trailer--

(i) the registration mark shall be exhibited on a plate or surface on the left hand side of the trailer, the dimensions of the letters and figures being not less than two-thirds of the dimensions specified in sub-rule (2);

(ii) the registration mark of the drawing motor vehicle to be affixed to the rear of the trailer shall be in conformity with the provisions of these rules relating to the registration mark affixed to the rear of the motor vehicle.

(6) The registration mark shall also be painted on the right and left side of the body of a transport vehicle.

78. Assignment of new registration mark on removal of vehicle to another State.--

(1) Every application for assignment of new registration mark on removal to another State under sub-section (1) of section 47 by or on behalf of a diplomatic officer or consular officer shall be made in triplicate in Form 44 and shall be addressed to the registering authority through the competent Authority accompanied by the relevant documents and fees referred to in rule 54.

(2) The provisions of sub-rules (2) to (7) of rule 76 shall apply to an application made under sub-rule (1) as they apply to an application made under sub-rule (1) of rule 76.

79. Suspension and cancellation of registration of vehicle registered under rule 76.--

If, under the provisions of section 53, section 54 or section 55 the registration of a motor vehicle made in accordance with rule 76 is suspended or cancelled, then a copy of the order of suspension or cancellation shall be sent to the Competent Authority in addition to each of the authorities or persons to whom a copy has to be sent under the said sections.

80. Transfer or disposal of motor vehicle registered under rule 76.--

(1) Where a motor vehicle registered in accordance with rule 76 is transferred by way of sale or otherwise, the transferor shall, within fourteen days, report the fact of the transfer along with the full name and address of the person to whom the vehicle is transferred to the registering authority within whose jurisdiction the transfer is effected and shall simultaneously send copies of the said report to--

(a) the transferee;

(b) the competent authority;

(c) the Collector of Customs of the port of importation of the vehicle and where it is not possible to locate the port of importation, to the Collector of Central Excise and Customs nearest to the headquarters of the transferred; and

(d) the original registering authority in whose records the registration of the vehicle is recorded, if the transfer is effected in the jurisdiction of another registering authority;

and shall also surrender the number plate in respect of the vehicle to the registering authority in whose records the registration of the vehicle is recorded, when the transfer is to a person other than a diplomatic officer or a consular officer.

(2) Where the transferee is a diplomatic officer or a consular officer, an application by him or on his behalf shall be made to the registering authority for registration of the vehicle in accordance with the provision of rule 76.

Fees

81. Fees.--

The fee which shall be charged under the provisions of this Chapter shall be as specified in the table below:

¹¹[TABLE

Sl. No.	Purpose	Amount	Rule	Section
(1)	(2)	(3)	(4)	(5)
1.	Grant or renewal of trade certificate in respect of each vehicle:		34 (1)	
	Motorcycle Invalid Carriage Others	Fifty rupees Fifty rupees Two hundred		

		rupees		
2.	Duplicate trade certificate: Motorcycle Invalid Carriage Others	Thirty rupees Thirty rupees One hundred rupees	38 (1)	
3.	Appeal under rule 46	One hundred rupees	46 (1)	
4.	Issue, renewal of certificates of registration and assignment of new registration mark		47 (1)52 (1)54 (1)76 (1)and	
	Invalid Carriage Motor cycle	Twenty rupees Sixty rupees	78 (1)	
	Light Motor Vehicle (i) Non-Transport (ii) Light Commercial Vehicle Medium goods vehicle Medium passenger motor vehicle Heavy goods vehicle Heavy passenger motor vehicle Imported motor vehicle Imported motorcycle Any other vehicle not mentioned above	Two hundred rupees Three hundred rupees Four hundred rupees Four hundred rupees Four hundred rupees Six hundred rupees Six hundred rupees Eight hundred rupees Two hundred rupees Three		

		hundred rupees		
5.	Issue of duplicate certificate of registration.	Half of the fee mentioned against Serial No. 4.	53 (2)	
6.	Transfer of ownership	Half of the fee mentioned in Serial No. 4.	55 (2) (iii) 55 (3), 56 (2) (a) & 57(1)(a)	
7.	Change of residence	Twenty rupees	59	
8.	Recording alteration in the certificate of registration.	Fifty rupees		
9.	Endorsing hire-purchase/lease/ hypothecation agreement.	One hundred only	60	
10.	Cancellation of hire-purchase/ lease/hypothecation agreement or issue of fresh certificate of registration.	One hundred only	61 (1) and (2)	
11.	Conducting test of a vehicle for grant and renewal of certificate of fitness: (i) Two /three-wheeled vehicle (ii) Light motor vehicle (iii) Medium Motor vehicle (iv) Heavy Motor vehicle	One hundred rupees Two hundred rupees Three hundred rupees Four hundred rupees	62 (2)	
12.	Grant or renewal of certificate of fitness for motor vehicle	One hundred rupees	62 (2)	
13.	Grant or renewal of letter of authority	Five	63 (2)	

		thousand rupees	(a)	
14.	Issue of duplicate letter of authority	Five thousand rupees	66 (2)	
15.	Appeal under rule 70	Four hundred rupees	71 (1)	

Note.--For the removal of doubts, it is hereby declared that Medium passenger motor vehicle, heavy goods vehicle, imported motor vehicle and any other vehicles not mentioned in Serial No. 4 of this Table include both transport and non-transport vehicles:

²⁴[Provided that in case for any purpose referred to in Serial Nos. 4, 5, 6, 7, 8, 9 and 10 of this Table is issued on any Smart Card, an additional amount of fee of Rupees two hundred shall be charged for each such card.]

Footnotes:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
2. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
3. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
4. Subs. by G.S.R. 83 (E), dated 5th February, 2003 (w.e.f. 5-2-2003).
5. Subs. by IK G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
6. Subs. by G.S.R. 221 (E), dated 28th March, 2001 [w.e.f. 31st May or in respect of any State which proposes to implement the provisions of clause (I) of sub-rule (8) on such earlier date as the State Government may, by notification with Official Gazette, specify in this behalf, whichever is earlier, vide S.O. 49(E), dated 13th January, 2005].
7. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
8. Subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001) and again subs. by G.S.R. 901(E), dated 13th December, 2001 (w.e.f. 13-12-2001).
9. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "verticle by more than 30 degrees" (w.e.f. 10-8-2004).
10. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
11. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999), by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
12. Ins. by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-2-2004):
13. Omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989)

14. Clause (c) omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989) and ins. by G.S.R. 732 (E), dated 30th September, 1994 (30-9-1994).
15. Proviso added by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again added by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
16. Subs. by G.S.R. 845 (E), dated 27th December, 2002 (w.e.f. 27-12-2002).
17. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
18. Subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
19. Ins. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
20. Subs. by G.S.R. 129 (E), dated 16th February, 2000 (w.e.f. 16-2-2000).
21. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
22. Ins. by G.S.R. 644 (E), dated 25th September, 1995 (w.e.f. 25-9-1995).
23. Ins. by G.S.R. 395 (E), dated 16th July, 1997 (w.e.f. 16-7-1997).
24. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
25. Inserted by Notification No. GSR589(E) dated 16.09.2005.
26. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-
¹⁴[(c) renewal of certificate of fitness in respect of three years]
vehicles covered under rule 82 of these rules
27. Inserted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

CHAPTER IV

CONTROL OF TRANSPORT VEHICLES

Tourist permits

82. Tourist permits.--

(1) An application for the grant of permit in respect of a tourist vehicle (hereinafter referred to in these rules as a tourist permit) shall be made in Form 45 to the State Transport Authority.

(2) ¹[²[(a)] A tourist permit shall be deemed to be invalid from the date on which the motor vehicle covered by the permit completes 9 years in the case of a motor cab and 8 years where the motor vehicle is other than a motor cab, unless the motor vehicle is replaced;]

³[(b)] Where a vehicle covered by a tourist permit is proposed to be replaced by another, the latter vehicle shall not be more than two years old on the date of such replacement.

Explanation.--For the purposes of this sub-rule, the period of²[9 years or 8 years] shall be computed from the date of initial registration of the motor vehicle.

83. Authorisation fee.--

(1) An application for the grant of authorisation for a tourist permit shall be made in Form 46 and shall be accompanied by a fee of Rs. 500 per annum in the form of a bank draft.

⁴[(2) Every authorisation shall be granted in Form 23A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the authorisation is in paper document mode subject to the payment of taxes or fees, if any, levied by the concerned State. The authority which grants the authorisation shall issue to the permit holder separate receipts for such taxes or fees in respect of each bank draft and such receipts shall be security printed water-mark paper carrying such hologram as may be specified by the concerned State/Union Territory:

Provided that the Bank Drafts received in respect of taxes or fees shall invariably be forwarded by the authority which grants the authorisation to the respective States:

Provided also that the use of such security printed water-mark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.]

⁵[(2A) The authority which grants the authorisation shall inform the State Transport Authorities concerned the registration number of the motor vehicle, the name and address of the permit holder and the period for which the said authorisation is valid:

⁶[Provided that where the permit holder undertakes to pay the tax direct to the concerned State Transport Authority at the time of entry in his jurisdiction the authorisation shall expressly state that it has been issued subject to payment of taxes to the concerned State Transport Authority.]]

(3) The period of validity of an authorisation shall not exceed one year at a time ⁷[***].

84. Right of operation.--

No tourist permit shall be deemed to confer the right of operation in any State not included in the authorisation referred to in rule 83 nor shall it exempt the owner of a vehicle from the payment of tax or fee, if any, leviable in any State.

85. Additional conditions of tourist permit.--

The following shall be the additional conditions of every tourist permit granted to a tourist vehicle other than a motor-cab under sub-section (9) of section 88, namely:--

(1) The permit holder shall cause to be prepared in respect of each trip a list in triplicate of tourist passengers to be carried in the vehicle, ⁸[***] giving full particulars as under:

- (a) name of the passenger,
- (b) address of the passenger,
- (c) age of the passenger,
- (d) starting point and the point of destination.

²[(2) One copy of the list referred to in sub-rule (1) shall be carried in the tourist vehicle and shall be produced on demand by the officers authorised to demand production of documents by or under the provisions of the Act and the rules, and the second copy shall be preserved by the permit holder.]

(3) The tourist vehicle shall either commence its journey, or end its journey, circular or otherwise, in the home State, subject to the condition that the vehicle shall not remain outside the home State for a period of more than ²[three months]. The permit holder shall see that every return of the tourist vehicle to the home State is reported to the authority which issued the permit:

Provided that where the contracted journey ends outside the home State, the vehicle shall not be offered for hire within that State or from that State to any other State except for the return journey to any point in the home State.

(4) The tourist vehicle may operate circular tours of places lying exclusively in the home State or in the home State and outside the State if such circular tours are in the

list approved by the Tourist Department of the home State to visit places of tourist, historical or religious importance and the tour is duly advertised beforehand.

¹⁶[Provided that where such tourist vehicle is registered in the National Capital Region, it shall not operate circular tours of places lying exclusively in the National Capital Region unless it conforms to the mass emission standards (Bharat Stage-III) specified in sub-rule (14) of rule 115.]

(5) The permit holder or his authorised agent shall issue a receipt to the hirer and the counterfoil of the same shall be kept available with him and produced on demand to the officers empowered to demand documents by or under the Act.

(6) The tourist vehicle shall not be parked on any bus stand used by stage carriages and shall not operate from such bus stand.

(7) The tourist vehicle shall be painted in white colour with a blue ribbon of five centimetres width at the centre of the exterior of the body and the word "Tourist" shall be inserted on two sides of the vehicle within a circle of sixty centimetres diameter.

(8) The permit holder shall display in the front top of the tourist vehicle a board in yellow with letters in black with the inscription "Tourist permit valid in the State(s) of" in English and Hindi and also, if he so prefers, in the regional language of the home State.

(9) The permit holder shall not operate the tourist vehicle as a stage carriage.

(10) The permit holder shall maintain a day-to-day logbook indicating the name and address of the permit holder and the registration mark of the vehicle, name and address of the driver with the particulars of his driving licence and the starting and destination points of the journey with the time of departure and arrival and the name and address of the hirer.

(11) The permit holder shall furnish once in every 3 months the information contained in condition (10) to the State Transport Authority which granted the permit and the logbook shall be preserved for a period of 3 years and shall be made available to the said authority on demand along with the records referred to in conditions (2) and (4).

Explanation.--In this rule, "home State" means the State which has granted the permit under sub-section (9) of section 88.

85A. The following shall be the additional conditions of every tourist permit in respect of motor-cabs.--

(1) The words "Tourist vehicle" shall be painted on both the sides of the vehicle within a circle of twenty-five centimetres diameter.

(2) A board with the inscription "Tourist permit valid in the State(s) of....." in black letters in yellow background shall be displayed in the front of the vehicle above the registration number plates:

⁹[Provided that this rule shall not apply to motor-cabs covered under the 'Rent a Cab Scheme, 1989'.]

National permits

86. Application for national permit.--

An application for the grant of a national permit shall be made in Form 48 to the authority referred to in section 69.

87. Form, contents and duration of authorisation.--

(1) An application for the grant of an authorisation for a national permit shall be made in Form 46 and shall be accompanied by a fee of Rs. 500 per annum in the form of a bank draft.

⁴[(2) Every authorisation shall be granted in Form 23A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the authorisation is in paper document mode, subject to the payment of taxes or fees, if any, levied by the concerned State. The authority which grants the authorisation shall issue to the permit holder separate receipts for such taxes or fees in respect of each bank draft and such receipts shall be security printed water-mark paper carrying such hologram as may be specified by the concerned State/Union Territory:

Provided that the Bank Drafts received in respect of taxes or fees shall invariably be forwarded by the authority which grants the authorisation to the respective States:

Provided also that the use of such security printed water-mark paper carrying such hologram shall come into force on or before six months from the date of the Central Motor Vehicles (Third Amendment) Rules, 2002.]

¹⁰[(2A) The authority which grants the authorisation shall inform the State Transport Authorities concerned the registration number of the Motor Vehicle, the name and address of the permit holder and the period for which the said authorised is valid.]

(3) The period of validity of an authorisation shall not exceed one year at a time ⁷[***].

²[88. Age of motor vehicle for the purpose of national permit.--

(1) No national permit shall be granted in respect of a goods carriage, other than multi-axle vehicle, which is more than ¹¹[twelve years] old at any point of time.

(2) No national permit shall be granted for a multi-axle goods carriage which is more than 15 years old at any point of time.

(3) A national permit shall be deemed to be invalid from the date on which a goods carriage covered by the permit completes 15 years in case of a multi-axle goods carriage and ¹²[twelve years] where the vehicle is other than a multi-axle goods carriage, unless such goods carriage is replaced.

Explanation.--For the purpose of this rule, the period of ¹¹[twelve years] or 15 years, as the case may be, shall be computed from the date of initial registration of the motor vehicle covered under its permit or the prime mover in case of an articulated vehicle.]

¹²[(4) No national permit shall be granted in respect of a multi-axle trailer approved to carry a Gross Vehicle Weight of more than 50 tonnes, which is more than 25 years old at any point of time the period of 25 years being computed from the date of initial registration of the said trailer.

Explanation.--For the purpose of this rule, "Multi-axle trailer" means a trailer having more than two axles.]

¹³[(5) A national permit shall be in such security printed water-mark paper and shall carry such hologram as the State Government or the State Transport Authority, as the case may be, issuing such permit, may specify:

Provided that the use of such security printed water-mark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.]

¹⁴[***]

90. Additional conditions for national permit.--

The national permit issued under sub-section (12) of section 88 shall be subject to the following additional conditions, namely:--

(1) The vehicle plying under a national permit shall be painted in dry leaf brown colour with thirty centimetres broad white borders and the words "National permit" shall be inscribed on both sides of the vehicle in bold letters within a circle of sixty centimetres diameter:

Provided that the body of a tanker carrying dangerous or hazardous goods shall be painted in white colour with a dry leaf brown ribbon of 5 centimetres width around in the middle at the exterior and that of the driver's cabin in orange colour.

(2) A board with the inscription "National permit valid in the State(s) of....." with blue letters on white background shall be carried in front top of such vehicle.

(3) No such vehicle shall carry any goods without a bill of lading in Form 50.

(4) The vehicle shall have a minimum of two drivers and shall be provided with a seat across its full width behind the driver's seat providing facility for the spare driver to stretch himself and sleep:

⁹[Provided that this sub-rule shall apply to light motor vehicle and medium goods vehicles only from a date to be notified by the Central Government.]

(5) The vehicle shall at all times carry the following documents and shall be produced on demand by an officer empowered to demand documents by or under the Act, namely:--

(i) Certificate of fitness,

(ii) Certificate of insurance,

(iii) Certificate of registration,

(iv) National permit,

(v) Taxation certificate,

(vi) Authorisation.

(6) The vehicle shall be subject to all local rules or restrictions imposed by a State Government.

(7) The vehicle shall not pick up or set down goods between two points situated in the same State ¹⁵[other than the home State].

¹⁶[Provided that where such vehicle is registered in the National Capital Region, it shall not pick up or set down good between two points situated in the National Capital Region unless it conforms to the mass emission standards (Bharat Stage-III) Specified in sub-rule (14) of rule 115.]

Footnotes:

1. Clause (a) omitted and clause (b) renumbered as clause (a) by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
3. Clause (c) renumbered as clause (b) by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
4. Subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
5. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
6. Proviso omitted by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
7. Omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
8. Omitted by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
9. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

10. Ins. by G.S.R. 799 (E), dated 30th December, 1993 (w.e.f. 30-12-1993).
11. Subs. by G.S.R. 799 (E), dated 30th December, 1993 (w.e.f. 30-12-1993).
12. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
13. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
14. Rule 89 omitted by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
15. Ins. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
16. Inserted by the Central Motor Vehicles (First Amendment) Rules, 2009 vide Notification No. GSR37(E) dated 20.01.2009.

CHAPTER V

CONSTRUCTION, EQUIPMENT AND MAINTENANCE OF MOTOR VEHICLES

Preliminary

91. Definitions.--

In this Chapter, unless the context otherwise requires,--

- (a) "class label", in relation to any dangerous or hazardous goods, means the class label specified in column 3 of the Table to rule 137;
- (b) "consignor", in relation to dangerous or hazardous goods intended for transportation by a goods carriage, means the owner of such dangerous or hazardous goods;
- (c) "dangerous or hazardous goods", means the goods of dangerous or hazardous nature to human life specified in Tables I, II, and III to rule 137;
- (d) "emergency information panel", means the panel specified in rule 134;
- (e) "primary risk", in relation to any dangerous or hazardous goods, means the most potent risk which such goods give rise to;
- (f) "subsidiary risk", in relation to any dangerous or hazardous goods, means the subsidiary risk which such goods are likely to give rise to in addition to the primary risk.

92. General.--

(1) No person shall use or cause or allow to be used in any public place any motor vehicle which does not comply with the provisions of this Chapter:

¹[Provided that nothing contained in this rule shall apply to vehicles manufactured prior to the coming into force of the Central Motor Vehicles (Amendment) Rules, 1993].

(2) Nothing in this rule shall apply to a motor vehicle--

(a) which has been damaged in an accident or to a vehicle stopped or impeded owing to shortage of fuel or other temporary defects while at the place at which the accident or defect occurred;

(b) which is defective or damaged and is being removed to the nearest place of repair or disposal; or

(c) which is more than fifty years old from the date of its registration and is being driven for taking part in a vintage car rally:

Provided that where a motor vehicle can no longer remain under the effective control of the person driving, the same shall not be used in a public place except by towing.

²[Explanation.--For the purposes of this rule, "motor vehicle" includes construction equipment vehicle.]

³(3) Testing of components conforming to standards in lieu of Indian Standards: Whenever a part, component or assembly is used in a vehicle complying with standards in lieu of those notified in these rules such as an international standard (for example EEC/ECE/IEC/ISO or such other standards) or a foreign national standard, permission for use of such part, component or assembly complying with such standards shall be approved by the Central Government.

In such cases, the compliance of part, component or assembly to such international or foreign national standards will be established for the purpose of rule 126, by a certificate of compliance issued by an authorised certifying agency or by an accredited certifying agency of the country of origin for such international or foreign national standards and vetted by a testing as referred to in rule 126.]

Overall dimension

93. Overall dimension of motor vehicles.--

(1) The overall width of a motor vehicle, measured at right angles to the axis of the motor vehicle between perpendicular planes enclosing the extreme points, ⁶[shall not exceed 2.6 metres].

⁵[***]

Explanation.--For purposes of this rule, a rear-view mirror, or guard rail or a direction indicator ⁴[rub-rail (rubber beading) having maximum thickness of 20 mm on each side of the body] shall not be taken into consideration in measuring the overall width of a motor vehicle.

²[(1A) The overall width of a construction equipment vehicle, measured at right angles to the axis of the construction equipment vehicle between perpendicular planes enclosing the extreme points, shall not exceed 3 metres while in the travel mode and such construction equipment vehicle ⁶[shall be painted by yellow and black zebra stripes on the portion of the width that exceeds 2.6 metres] on the front and rear sides duly marked for night time driving/parking suitably by red lamps at the front and rear:]

⁷[Provided that the zebra strips need not be used on attachments.]

⁴[(2) The overall length of the motor vehicle other than trailer shall not exceed--

(i) in the case of motor vehicle other than transport vehicle having not more than two axles, 6.5 metres;

(ii) in the case of transport vehicle with rigid frame having two or more axles, 12 metres;

(iii) in the case of articulated vehicles having more than two axles, 16 metres;

(iv) in the case of truck trailer or tractor trailer combination, 18 metres; (v) in the case of 3 axle passenger transport vehicles, 15 metres;

(vi) in the case of single articulated (vestibule type) passenger transport vehicle, 18 m. (Please see the conditions given in note below);

(vii) in the case of double articulate passenger transport vehicles, 25 metres (Please see the conditions given in note below).

Note.--In the case of single articulated passenger transport vehicles of 18 metres length and double articulated passenger transport vehicles upto 25 metres, permission of the State Government shall be obtained regarding their plying on selected routes depending upon local road conditions, width, manoeuvrability of the vehicle in traffic, as deemed fit. These passenger transport vehicles will also be required to have a closed circuit TV system for proper visibility in and around the passenger transport vehicle by the driver to maintain safety. Intercom system shall also be provided in such passenger transport vehicle. In addition, the standing passenger will be allowed only on the lower deck of double articulated passenger transport vehicle.]

(3) In the case of an articulated vehicle or a tractor trailer combination specially constructed and used for the conveyance of individual load of exceptional length,--

(i) if all the wheels of the vehicle are fitted with pneumatic tyres, or

(ii) if all the wheels of the vehicle are not fitted with pneumatic tyres, so long as the vehicle is not driven at a speed exceeding twenty-five kilometres per hour,

the overall length shall not exceed 18 metres.

Explanation.--For the purposes of this rule "overall length" means the length of the vehicle measured between parallel planes passing through the extreme projection points of the vehicle exclusive of--

(i) a starting handle;

(ii) any hood when down;

(iii) any fire-escape fixed to a vehicle;

(iv) any post office letter-box, the length of which measured parallel to the axis of the vehicle, does not exceed 30 centimetres;

(v) any ladder used for loading or unloading from the roof of the vehicle or any tail or indicator lamp or number plate fixed to a vehicle;

(vi) any spare wheel or spare wheel bracket or bumper fitted to a vehicle;

(vii) any towing hook or other fitment which does not project beyond any fitment covered by clauses (iii) to (vi).

²[(3A) The overall length of the construction equipment vehicle, while in travel mode, shall not exceed 12.75 metres:

Provided that in the case of construction equipment vehicle with more than two axles, the length shall not exceed 18 metres.

Explanation.--For the purposes of this sub-rule "overall length" means the length of the vehicle measured between parallel planes through the extreme projection points of the vehicle, exclusive of--

(i) any fire-escape fixed to a vehicle;

- (ii) any ladder used by the operator to board or alight the vehicle;
- (iii) any tail or indicator lamp or number plate fixed to a vehicle;
- (iv) any sphere wheel or sphere wheel bracket or bumper fitted to a vehicle;
- (v) any towing hook or other fitments;
- (vi) any operational attachment on front, rare or carrier chassis of construction equipment vehicle in travel mode.]

(4) the overall height of a motor vehicle measured from the surface on which the vehicle rests,--

(i) in the case of a vehicle other than a double-decked ¹¹⁴[transport vehicle], shall not exceed 3.8 metres;

¹¹⁵[(ii) in the case of a double decked transport vehicle, shall not exceed 4.75 metres;

(iia) in the case of tractor-trailer goods vehicle, shall not exceed 4.20 metres;]

(iii) ¹⁴⁵[in the case of a laden trailer carrying ISO series 1 Freight Container or in the case of fabricated containerised motor vehicle, shall not exceed 4.52 metres]:

Provided that the provisions of clauses (i) to (iii) shall not apply to fire-escape tower wagons and other special purpose vehicles exempted by general or special order of registering authority.

²[(4A) The overall height of a construction equipment vehicle measured from the surface on which the vehicle rests shall not exceed 4.75 metres, while in the travel mode:

Provided that the provisions of this sub-rule shall not apply to any other special purpose attachment to the construction equipment vehicle exempted by general or special order of the registering authority.]

(5) The overhang of a tractor shall not exceed 1.85 metres.

⁸[(6) The overhang of the motor vehicle ⁹[other than a tractor and construction equipment vehicle] shall not exceed 60% of the wheel base.

Explanation I.--For the purpose of this rule "wheel base" means,--

(a) in the case of vehicles with only two axles, the distance measured horizontally and parallel to the longitudinal axis of the vehicle, between the centre points of the front axle and rear axle;

(b) in case of a vehicle having only three axles, and the front axle is only the steered axle, the distance measured horizontally and parallel to longitudinal axis of the vehicle between the centre of the front axle and centre point between the two rear-axles;]

¹¹⁶(c) in the case of vehicles having more than three axles, the distance measured between the centre point of the front combination axles and the centre point of the rear combination axles;]

¹⁰[Explanation II].--For the purpose of this rule, "overhang" means the distance measured horizontally and parallel to the longitudinal axis of the vehicles between two vertical planes at right angles to such axis passing through the two points specified hereunder:

(A) The rearmost point of the vehicle exclusive of--

- (i) any hood when down;
- (ii) any post office letter-box, the length of which measured parallel to the longitudinal axis of the vehicle, does not exceed thirty centimetres;
- (iii) any ladder forming part of a turn-table fire-escape fixed to a vehicle;
- (iv) any ladder used when the vehicle is at rest for loading or unloading from the roof of the vehicle, or any tail lamp or number plate fixed to a vehicle;
- (v) any spare wheel or spare wheel bracket fitted to a vehicle;
- (vi) any language carrier fitted to a motor vehicle constructed solely for carriage of passengers and their effects and adapted to carry not more than seven passengers exclusive of the driver;
- (vii) any towing hook or other fitment which does not project beyond any fitment mentioned in clauses (ii) to (vi);
- ¹[(viii) any mounted implement on a 3-point linkage of a tractor;]

Provided that in the case of a stage carriage--

- (a) the projection of any bumper or advertisement panel fitted at the rear of the vehicle shall not exceed fifteen centimetres;
 - (b) the projection in respect of an advertisement panel shall not be such as to obstruct either the vision from the rear view mirror or project through the emergency exist at the rear or both;
- (B)
- (i) in the case of a vehicle having only two axles, one of which is not a steering axle, the centre point of that axle; or
 - (ii) in the case of a vehicle having only three axles and the front axle is the only steering axle; ⁸[the centre point of the rear most axle];
 - (iii) in the case of any vehicle registered in India before the commencement of these rules it shall suffice if the overhang does not exceed 7/24ths of the overall length of the vehicle;
 - (iv) in the case of a motor vehicle having only three axles where two front axles are steering axles, the centre point of the rearmost axle;
 - (v) in the case of a motor vehicle having four axles, where two front axles are steering axles, a point 102 millimetres in rear of the centre of a straight line joining the centre points of the rearmost two axles;
 - (vi) in any other case a point situated on the longitudinal axis of the vehicle such that a line drawn from it at right angle to that axis will pass through the centre of the minimum turning circle of the vehicle.

²[(6A) The overhang of the construction equipment vehicle shall not exceed 7.5 metres in front or rear while in the travel mode.

Explanation.--For the purpose of this sub-rule, "overhang" means the length/height measured horizontally and parallel to the longitudinal axis of the construction equipment vehicle between two vertical planes at right angles to such axis passing through--

(i) the frontmost point of the vehicle and the centre point of the front axle, for the front overhang,

(ii) the rearmost point of the vehicle and centre point of the rear axle, for the rear overhang, exclusive of the parts or fitments mentioned at items (i) to (vi) of the Explanation to sub-rule (3A).]

¹⁰[(7)] No part of the vehicle other than a direction indicator, when in operation, or a driving mirror, shall project laterally more than 355 millimetres beyond the centre line of the rear wheels, in the case of single rear wheels, or more than 152 millimetres beyond the extreme outer edge of the outer tyres, in the case of dual rear wheels:

¹¹[***]

Provided that the State Government or any authority authorised in this behalf by the State Government, if it is satisfied that it is necessary because of the nature of any road or bridge or in the interest of public safety, may prohibit or restrict the operation of a motor vehicle in a specified route or area unless such vehicle complies with the requirements specified by the State Government for such route or area.

²[(7A) No part of the construction equipment vehicle in travel mode other than a direction indicator, or a driving mirror, shall project laterally more than 300 millimetres beyond the extreme outer edge of the tyres or wheel drums regardless of single or dual tyres or rollers.]

¹²[(8)] No motor vehicle shall be loaded in such a manner that the load or any part thereof extends,--

(i) laterally beyond the side of the body;

(ii) to the front beyond the foremost part of the load body of the vehicle;

(iii) to the rear beyond the rearmost part of the vehicle;

(iv) to a height beyond the limits specified in sub-rule (4):

~~Provided that clause (iii) shall not apply to a goods carriage when loaded with any pole or rod or indivisible load so long as the projecting part or parts do not exceed the distance of one metre beyond the rearmost point of the motor vehicle.~~

¹³**[93A. Overall dimension for agricultural tractors.--**

(1) The overall width of the agricultural tractor shall not exceed 2.6 metres.

(2) The overall length of the agricultural tractor shall not exceed 6.5 metres.

(3) The overall height of the agricultural tractor shall not exceed 3.8 metres.

(4) The overhang of the agricultural tractor shall not exceed 1.85 metres:

Provided that lateral projection upto 700 millimetres beyond the central line of the rear wheel shall be permitted.]

¹¹⁶**[93B. Overall dimension for Power tillers.-**

(1) The overall length of the power tiller with a riding attachment shall not exceed 3.5 metres.

(2) The overall width of the power tiller with a riding attachment including case wheelers shall not exceed 1.5 metres.

- (3) The maximum overall height of the power tiller shall not exceed 2.0 metres.
- (4) The overall length when of the power tiller when coupled to a trailer shall not exceed 6.0 metres.
- (5) The maximum overall width of the power tiller when coupled to a trailer shall not exceed 1.7 metres.
- (6) The maximum overall height of the power tiller when coupled to a trailer shall not exceed 2.0 metres.]

Size, nature and condition of tyres

94. Condition of tyres.--

⁹[(1) ¹⁴[Every motor vehicle including agricultural tractor and its trailer] shall be fitted with pneumatic tyres and every construction equipment vehicle, other than steel drum rollers of vibratory compactors or compactor rollers or road roller or a track laying vehicle, shall be fitted with pneumatic tyres or solid rubber tyres.]

(2) The pneumatic tyres of ¹⁵[a motor vehicle including agricultural tractor and its trailer] shall be kept properly inflated and in good and sound condition.

(3) For the purpose of sub-rule (2), a tyre shall not be deemed to be of good and sound condition if--

(i) any of the fabric of its casing is exposed by wear of the tread or by any unvulcanised cut or abrasion in any of its parts; or

(ii) it shows signs of incipient failure by local deformation or swelling; or

(iii) it has been patched or repaired by an outside gaiter or patch other than a vulcanised repair:

¹⁶[(iv) the Non-Skid Depth (NSD), shall not be less than 0.8 mm in the case of two wheeler and three wheeler and 1.6mm in the case of other motor vehicles, below the Tread Wear Indicator (TWI) embedded in tyres at the time of manufacture.]

Provided that the requirement specified in clause (iii) shall not apply to a temporary repair effected to enable the vehicle to be moved to the nearest place where the tyre can be repaired or replaced:

Provided further that where a motor vehicle, other than road roller or tracklaying vehicle, is not fitted with pneumatic tyres, it shall not be used in a public place unless it is fitted with shoes or other suitable device so that plying of such vehicle does not damage the road.

¹³[Provided also that the requirements of the Non-Skid Depth (NSD) and Tread Wear Indicator (TWI) specified in clause (iv) shall not be applicable for the agricultural tractor tyres.]

95. Size and ply rating of tyres.

¹¹⁷[(1) The tyres including radial tyres used on all motor vehicles manufactured or imported on and after the 1st day of April, 2006, other than agricultural tractors, construction equipment vehicles and power tillers shall comply with the requirements specified in AIS:044 (Part 1 to

3):2004 as applicable till the corresponding BIS specifications are notified under the Bureau of Indian Standards, Act, 1986 (63 of 1986);

Provided that the selection and fitment of tyres for motor vehicles manufactured or imported on and from the 1st day of April, 2006 shall be in accordance with AIS:050:2004 in the case of two and three wheelers and AIS:051:2004 in the case other motor vehicles, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards, Act, 1986 (63 of 1986);

Provided further that Central Institute of Road Transport, Pune and any other agency which may be authorized by Central Government from time to time can carry tests for verification against AIS:044:2004 for tyres for the purposes of rule 126.]

²²[(2) The maximum gross vehicle weight and the maximum safe axle weight of each axle of a vehicle shall, having regard to the size, nature and number of tyres and maximum weight permitted to be carried by the tyres as per sub-rule (1), be--

- (i) vehicle rating of the gross vehicle weight and axle weight respectively as duly certified by the testing agencies for compliance of the rule 126, or
- (ii) the maximum vehicle weight and maximum safe axle weight of each vehicle respectively as notified by the Central Government, or
- (iii) the maximum total load permitted to be carried by the tyre as specified in sub-rule (1) for the size and the number of the tyres fitted on the axle(s) of the vehicle,

whichever is less:

Provided that the maximum gross vehicle weight in respect of all vehicles, including multi axle vehicles not be more than the sum total of all the maximum safe axle weights put together.

²³²⁴[(2A) The size of the tyres of a construction vehicle] specified in column (1) of the Table below shall have a ply rating specified in the corresponding entry in column (2) of the said Table in respect of maximum weight permitted to be carried by such tyre specified in the corresponding entry in column (3) thereof:

Provided that the maximum safe load for single axle with two or more tyres shall not exceed 10.2 tonnes.

(3) No tyre shall have a ply rating more than 20, for applications of on-highway and such ply rating shall not be prescribed by either vehicle manufacturer or employed by vehicle user on this class of vehicle.

(4) Check on sub-rule (3) of rule 95 on commercial vehicles will be conducted by the authority indicated in sub-rule (1) of rule 126, while conducting the checks.] ¹⁶[(5) Every tyre manufacturer shall, in addition to any trade mark or size of the tyre, also emboss on it the following, namely:--

- (i) week and year code or month and year code of manufacture; and
- (ii) maximum load carrying capacity.]

²⁵[(6) In the case of Indian manufactured vehicles and imported vehicles (new and old), the size of tyres if included in the International Standards namely, ECE, JATMA, ETRTO and T&RA besides Bureau of Indian Standards may also be accepted under this rule:

Provided that the following conditions shall be complied with:--

(i) that testing agencies referred to in rule 126 shall satisfy themselves about the load and speed rating of the tyre with reference to the Indian conditions;

(ii) that the test report/certificate issued by the testing agency of the country of origin shall be verified for acceptance by the testing agency referred to in rule 126;

(iii) that for tubeless tyres fitted on imported vehicles confirming to conditions (i) and (ii) shall also be allowed.]

¹³[95A. Size and ply rating of tyres for agricultural tractor.--

(1) The tyre of the agricultural tractor shall have load carrying capacity as may be specified by the tyre manufacturer, subject to the condition that the maximum load specified by the agricultural tractor manufacturer shall not be greater than the load permitted by the tyre manufacturer.

(2) The agricultural tractor manufacturer shall select only that rim size as recommended by the tyre manufacturer.

Note.--For compliance to the above two sub-rules, the following shall be referred to IS: 13154-1991 as amended from time to time - Tyres for agricultural tractor, implements and power tillers. In case a particular size of tyres is not listed in IS: 13154-1991, any equivalent International Standard like Economic Commission of Europe (ECE), Japanese Automotive Tyre Manufacturers Association (JATMA), European Tyre and Rim Technical Organisation (ETRTO), The Tyre & Rim Association Inc. (T & RA) and Indian Tyre Technical Advisory Committee (ITTAC), etc., shall be accepted.]

¹¹⁶[95B. Size and ply rating of tyres for Power tillers.-

(1) The tyre should have load carrying capacity as specified by the tyre manufacturer, however, the maximum load specified by the power tiller manufacturer shall not be greater than that permitted by the tyre manufacturer.

(2) The Power tiller manufacturer shall select the recommended/preferred rim sizes only, as suggested by the tyre manufacturer.

Note: For compliance to this rule, the following standards shall be referred to, namely:-

(i) IS:13154-1991, as amended from time to time - Tyre for agricultural tractor, implement and power tillers.

(ii) In case a particular size of tyre is not listed in IS:13154-1991, as amended from time to time, any equivalent International Standard like ECE, JATMA, ETRTO, TNRA, ITTAC, etc.]

Brakes, Steering Gears, Safety Glass and Windscreen Wipers

96. Brakes.--

⁸[(1) Every motor vehicle, other than a motor cycle, three wheeled invalid carriage, trailer or a road roller shall be equipped with two independent and efficient braking systems, namely, the parking brake and foot operated service brake:

Provided that a motor cycle and three wheeled invalid carriage shall be equipped with the independent and efficient braking systems, either both hand operated or one foot operated and the other hand operated.]

(2) The braking system shall be of strength capable of stopping the vehicle within the distance specified in sub-rule (8) and of holding it at rest in all conditions and all such brakes at all times be properly connected and maintained in efficient condition.

¹⁶[***]

(3) In every motor vehicle ²⁷[other than agricultural tractors], the brakes operated by one of the means of operation shall act directly upon the wheel and not through the transmission gear.

¹¹⁸[(4) Every motor vehicle manufactured on and after the 1st day of April, 2006 shall have a braking system whose performance shall conform to the following Indian Standard, namely-

(i) for two wheelers and three wheelers IS:14664:1999, as amended from time to time.

(ii) all motor vehicles, other than two wheelers, three wheelers, trailers, semi trailers, construction equipment vehicles, agricultural tractors and power tillers, IS:11852 (Part 1): 2001, 11852 (Part 2): 2001, 11852 (Part 3): 2001, 11852 (Part 4): 2001, 11852 (Part 5): 2001, 11852 (Part 6): 2001, 11852 (Part 7): 2001 and 11852 (Part 8): 2001, as amended from time to time.

Provided that the requirements of automatic wear adjustment specified in para 4.2.1.1.1a of IS:11852:2001(Part 2), except for those vehicles fitted with Anti-Lock Braking System, shall come into force from the 1st day of April, 2007.

Provided further that IS:11852:2003(Part 9) shall be applicable for vehicles manufactured on and after the 1st day of October, 2006 fitted with Anti-lock Braking System.]

(5) Except in the case of a motorcycle, the braking system or one of the braking systems of a motor vehicle shall be so constructed and maintained that it can be so set as effectively to prevent at least two, or in the case of a motor vehicle having three wheels, at least one of the wheels from revolving when the vehicle is left unattended.

(6) The braking system or part thereof which functions in the aforesaid manner shall be known as parking brake and where such a parking brake is designed to be operated by hand, it shall be known as hand-brake.

⁸[(7) (a) In the case of motor vehicles, other than three wheelers of gross vehicle weight not exceeding 1000 kgs and motor cycles, the service brake shall be acting on all the wheels of the vehicle.

(b) In case of three wheelers of gross vehicle weight not exceeding 1000 kgs. if the foot operated brake does not act on all the wheels, the following conditions shall be fulfilled, namely:--

(i) the foot operated brake shall act on the two wheels which are on the same axle, and

(ii) in addition to the parking brake, there shall be an independent brake acting on the other wheel of the vehicle with an independent hand-operated control.

(c) In the case of motor cycles, the braking system operated with the foot or left hand shall act at least on the rear wheel and the brake operated by right hand at least on the front wheel.

(d) In the case of agricultural tractors, the braking system shall act as on both the rear wheels, either directly or through the transmission gear].

⁸[(8) The service braking system in the case of vehicle other than three wheelers and motor cycles, and the braking system operated by one of the means of operation other than the parking brake in the case of three wheelers and motor cycles shall be capable to bring the vehicles to halt within the distance specified in the following Table when tested in accordance with the condition prescribed correspondingly in the Table. The test shall be conducted on a dry level hard road in good condition. During the test the accelerator control shall be fully released and in the case of vehicles with manual gear shifting control, the top gear and the clutch shall be engaged.

TABLE

Sl. No.	Type of vehicle	Load	Test speed (The speed at which the brake should be applied) (kmph)	Type of brake	Stopping distance (m)
(1)	(2)	(3)	(4)	(5)	(6)
1.	All vehicles other than motor cycles, three wheelers and agricultural tractors	Laden to the registered GVW Or	30	Foot operated service	13
	"	Unladen Or	30	"	13
	"	Laden Or	40	"	21
	"	Unladen	40	"	21
2.	Motor Cycles	Unladen	30	Foot or Hand operated	21
3.	Three wheelers including three wheeler tractors for trailers	Unladen	30	Foot operated (brakes operating on at least two wheels)	13

4.	Agricultural tractor	Laden to Test Mass	25	Foot	10
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			operated service	
5. All other than three wheelers of engine capacity not exceeding 500 cc, motor cycles and agricultural tractors	Laden to the registered GVW Or Unladen	30	-do-	12.7
		40	-do-	15.0
		30	-do-	9.3
		40	-do-	12.0

For the purpose of this test for vehicles other than motor cycles the 'unladen' means the vehicle is without any load and shall carry only the driver and another person for specific purpose of supervising the test, and the instruments, if any. In the case of motor cycles, the 'unladen' means that vehicle will carry only the single rider and the measuring instrument, if any.]

¹¹⁶[(9) The following category of vehicles shall be fitted with Anti-lock Braking System conforming to IS:11852:2003 (Part 9):-

- (i) N2 and N3 category of vehicles other than tractor-trailer combination manufactured on and after the 1st day of October, 2006 meant for carrying hazardous goods and liquid petroleum gas;
- (ii) N3 category vehicles manufactured on and after the 1st day of October, 2007, which are double decked transport vehicles;
- (iii) N3 category vehicles manufactured on and after the 1st day of October 2007, that are used as tractor-trailer combinations.
- (iv) M3 category of buses that ply on All India Tourist permit, manufactured on and after the 1st day of October, 2007.]

²[96A. Brakes for construction equipment vehicle.--

- (1) Construction equipment with hydrostatic transmission shall employ either hand or foot operated hydrostatic braking system both for service and parking brake system acting at least on two wheels on the same axle or drum.
- (2) The braking system shall be of a strength capable of stopping the vehicle within the distance specified in sub-rule (8) and of holding it at rest in all conditions, and all such brakes shall at all times be properly conducted and maintained in efficient condition.
- (3) In every construction equipment vehicle, other than those having hydrostatic transmission, the brakes operated by any of the means of operation shall act directly upon the wheel or at a suitable location in the power train provided that such an action does not decouple, disengage or isolate the braking action from the wheels.
- (4) Every construction equipment vehicle manufactured on or after the commencement of the Motor Vehicles (Sixth Amendment) Rules, 2000, shall have a braking system whose performance shall ⁶[conform to the test and stopping distance formula as specified in sub-rule (7)].
- (5) The braking system or one of the braking systems of construction equipment vehicle, shall be so constructed and maintained that it can effectively prevent at least two wheels or drums from

revolving when the vehicle is left unattended and it shall be designed to be applied through hand or foot or automatically when engine is not running.

(6) In the case of construction equipment vehicles with four or more than four wheels, the service brake shall work on at least two wheels of the vehicle.

⁶[(7) The service braking system of the construction equipment vehicle shall be capable of bringing the vehicle to a halt within the stopping distance as calculated by the formula given below, when tested in unladen condition and attachment carry position at a speed corresponding to 80 per cent. of the design maximum speed. The test shall be conducted in the forward direction of travel on a dry level hard road in good condition and during the test the acceleration control or travel shall be fully released and in the case of vehicle with manual gear shifting control, the top gear and the clutch shall be engaged.

STOPPING DISTANCE FORMULA

$S = 0.15V + (V^2/130)$,

Where S is the Stopping distance in metres,

V is the test speed corresponding to 80% of design maximum speed in km/h,

Control force F = 700 Newtons.

Explanation.--For the purposes of this sub-rule, "unladen" means the construction equipment vehicle in travel mode without any load except the driver and another person for the specific purpose of supervising the test and the instruments, if any:

Provided that while the stopping distance formula mentioned above remain unchanged, the construction equipment using hydrostatic transmission, the brake test shall be performed by positioning the gear change lever to the neutral position.]

²⁵[²⁴**96B. High speed braking requirements].--**

For high speed braking, the following test procedure shall be followed, namely:--

(a) in the case of Category M1, the P type, service brake test as defined under IS:11852-2001--Part 3, shall be carried out in the engine connected mode at a test speed of 120 km/h or at 80% of the design maximum speed of the vehicle, whichever is lower.

(b) the stopping distance requirements shall be according to the following formula, namely:--

$S = 0.1V + (V^2/130)$:

where, S is the stopping distance in metres,

V is the test speed in km/h

and Control force F = 500 Newtons:

Provided that this sub-rule shall be applicable in case of new vehicles yet to be type approved after six months, and in case of already type approved vehicles, twelve months, from the date of the commencement of the Central Motor Vehicle (Third Amendment) Rules, 2002.]

¹³[96C. Brakes for agricultural tractor.--

The braking system of the agricultural tractor shall conform to IS: 12061-1994 and IS: 12207-1999, as amended from time to time.]

¹¹⁶[96D. Braking requirements for Power tillers.-

The Power tillers when coupled to a trailer shall meet the following requirements, namely:-

- (i) the brake test for the power tiller coupled to a trailer shall be carried out with a gross combination weight not exceeding 1.5 tons as declared by the manufacturer;
- (ii) The brake test shall be conducted at a speed of 15 km/h to meet the stopping distance requirement of 7.5 metres with the pedal effort not exceeding 600N;
- (iii) The trailer coupled to the Power tiller shall be fitted with a parking brake capable of holding the combination on an up-slope and down-slope gradient of 12%.]

97. Brakes for trailers.--

(1) ²⁹[Every trailer, other than a tractor-drawn trailer having five hundred kilograms and more of weight] shall have an efficient braking system which are capable of being applied when it is being drawn,--

- (i) in the case of trailer having not more than two axles, to at least all the wheels of one axle; or
- (ii) in the case of a trailer having more than two axles, to at least all the wheels of two axles:

Provided that the braking system shall be so constructed that it is not rendered ineffective by the non-rotation of the engine of the drawing vehicle.

(2) The provision of sub-rule (1) shall not apply to--

- (i) any land implement drawn by a motor vehicle;
- (ii) any trailer designed for use and used by a local authority for street cleansing or by the fire service for fire fighting which does not carry any load other than its necessary gear and equipment;
- (iii) any disabled vehicle which is being drawn by a motor vehicle in consequence of its disablement.

98. Steering gears.--

(1) The steering gear of every motor vehicle shall be maintained in good and sound condition, free from back-lash exceeding 30 degrees on the steering wheel, all ⁸[ball joints connecting the steering linkage,] shall be protected by rubber caps and where the connections are secured with bolts or pins, the bolts or pins shall be effectively locked.

³⁰[(2) The steering gear of every motor vehicle shall be so constructed as to conform to IS: 12222-1987, as amended from time to time.]

³¹[(3) ³²[On and after 1st May, 2003], the steering effort of all motor vehicles other than three wheelers not fitted with steering wheel, motor cycles ³³[and invalid carriages] manufactured shall conform to the Indian Standard IS: 11948-1999, as amended from time to time.]]

³⁴[(4) The power steering shall be fitted in--

(a) the Category N3 multi-axle vehicles on and from 1st May, 2004; and

(b) other than multi-axle vehicles of Category N3 on and from 1st December, 2004.]

³⁵**[98A. Steering gears for construction equipment vehicles.--**

(1) The steering system of every construction vehicle shall be maintained in good and sound condition, with backlash not exceeding 30 degrees on the steering wheel when tested with the engine running; ball-joints connecting the steering linkage of the mechanical steering system shall be protected by rubber caps and where the connections are secured with bolts or pins, the bolts or pins shall be effectively locked; in the case of hydrostatic steering system the moving parts shall be effectively sealed and protected from dust ingress.

(2) The steering system of the construction equipment vehicle shall be adequately designed to ensure efficient and effective control of the vehicle under all the driving conditions and shall be so constructed as to conform to the Indian Standards IS: 12222-(1987), as modified from time to time.

(3) The steering effort of the construction equipment vehicles during normal unladen operation shall not exceed 11.7 kg push/pull for hydrostatic steering system and 20kg for manual steering wheel system when evaluated as per clauses 5.1 to 5.4 of Indian Standard IS: 11948-(1986) as specified by the Bureau of Indian Standards.]

¹³**[98B. Steering gears for agricultural tractors.--**

(1) The steering gear of agricultural tractor shall be maintained in good and sound condition, free from back-lash exceeding 30 degrees on the steering wheels. All ball joints connecting the steering linkage shall be protected by rubber caps and where the connections are secured with bolts, or pins, the bolts or pins shall be effectively locked.

(2) The turning circle diameter and turning circle clearance, diameter of every agricultural tractor shall conform to IS: 11859-1986, as amended from time to time.

(3) The steering effort requirement of agricultural tractor shall conform to Automotive Industry Standard (AIS): 042 as amended from time to time, till such time the corresponding BIS standard is notified.]

¹¹⁶**[98C. Steering gear for Power tillers.-**

The turning circle diameter and the turning clearance circle diameter of Power tillers coupled to trailers, when measured as per IS:12222:1987, as amended from time to time, shall not exceed 10 metres.]

99. Forward and backward motion.--

Every ⁶[motor vehicle including ³⁶[construction equipment vehicle and agricultural tractor]] other than a motor cycle and three-wheeled invalid carriages, shall be capable of moving under its own power ⁸[in the reverse direction also].

¹¹⁶[Provided that Power tillers with a riding attachment and power tillers coupled to trailers shall be capable of moving under its own power in the reverse direction also.]

100. Safety glass.--

(1) The glass of windscreens and the windows of every motor vehicle ¹[other than agricultural tractors] shall be of safety glass:

Provided that in the case of three-wheelers and vehicles and hood and side covers, the windows may be of ⁸[acrylic or plastic transparent sheet].

Explanation.--For the purpose of this rule--

(i) "safety glass" means glass ²⁹[conforming to the specifications of the Bureau of Indian Standards or any International Standards ³⁷[***]] and so manufactured or treated that if fractured, it does not fly or break into fragments capable of causing severe cuts;

(ii) any windscreen or window at the front of the vehicle, the inner surface of which is at an angle ¹⁹[more than thirty degrees] to the longitudinal axis of the vehicle shall be deemed to face to the front.

⁸[(2) The glass of the windscreen and rear window of every motor vehicle shall be such and shall be maintained in such a condition that the visual transmission of light is not less than 70%. The glasses used for side windows are such and shall be maintained in such condition that the visual transmission of light is not less than 50% and shall conform to Indian Standards ¹⁹[IS: 2553-Part 2-1992];]

¹[(3) The glass of the front windscreen of every motor vehicle ²⁹[other than two wheelers and agricultural tractors] manufactured after three years from the coming into force of the Central Motor Vehicles (Amendment) Rules, 1993 shall be made of laminated safety glass:

³[Provided that on and from three months after the commencement of the Central Motor Vehicles (Amendment) Rules, 1999, the glass of the front windscreen of every motor vehicle other than two wheelers and agricultural tractors shall be made of laminated safety glass conforming to the Indian Standards IS:2553-Part 2-1992.]

Explanation.--For the purpose of these sub-rules 'laminated safety glass' shall mean two or more pieces of glass held together by an intervening layer or layers of plastic materials. The laminated safety glass will crack and break under sufficient impact but the pieces of the glass tend to adhere to the plastic material and do not fly, and if a hole is produced, the edges would be less jagged than they would be in the case of an ordinary glass.

²[(3A) The glass of the front windscreen of a construction equipment vehicle manufactured after 3 years from the date of commencement of the Central Motor Vehicles (6th Amendment) Rules, 2000 shall be made of laminated safety glass.]

(4) Notwithstanding anything contained in this rule if the Central Government is of the opinion that it is necessary and expedient to do so in public interest, it may by order published in the Official Gazette exempt ⁹[any motor vehicle including construction equipment vehicle] for use by any person, from the provisions of this rule.]

⁸**[101. Windscreen wiper.--**

(1) An efficient power operated ³⁷[***] windscreen wiper shall be fitted to every motor vehicle having a windscreen, other than three wheeled invalid carriage, ¹¹⁹[and motor cycles].

(2) One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, all motor vehicles manufactured having a windscreen, other than ³¹[all motor vehicles other than three wheelers, motor cycles and invalid carriages ³²[manufactured on and after 1st January, 2003 in respect of category M1 vehicles, and in respect of other vehicles, on and after 1st May, 2003], having a windscreen shall be fitted with a windscreen wiping system which shall conform to the requirements laid down in the following standards, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified:--

(i) AIS 019/2001, in the case of M1 category of vehicles

(ii) AIS 011/2001, in the case of other vehicles.]

³⁸[(2A) All construction equipment vehicles having windscreen shall be fitted with an efficient power operated windscreen wiping system. The windscreen wiping system shall conform to the requirements of the standards as may be specified from time to time under these rules.]

¹²⁰[***]

⁸**[102. Signalling devices, direction indicators and stop lights.--**

¹²¹[(1) The signal to turn to the right or to the left shall be given by electrically operated direction indicator lamps on all motor vehicles including construction equipment vehicles. Every construction equipment vehicle shall be fitted and maintained so that the following conditions are met, namely:-

(i) The direction indicator lamps shall be of amber colour which are illuminated to indicate the intention to turn, by a light flashing at the rate of not less than 60 and not more than 120 flashes per minute.

(ii) The light emitted by the lamp when in operation shall be clearly visible from both front and rear of the vehicle.

(iii) The minimum illuminated area of each direction indicator shall be 60 square centimeters:

Provided that nothing contained in this sub-rule shall apply to L1 category of motorcycles.]

¹⁹[(2) On all vehicles other than motor cycles, ⁹[the intention to stop the vehicle (other than construction equipment vehicle having hydrostatic brakes)] shall be indicated by two electrical stop lamps which shall be red in colour and shall be fitted one on each left and right hand sides at the rear of the vehicle. The stop lamps shall light up on the actuation of the service brake control. In the case of motor cycle, the intention to stop the vehicle shall be indicated by one stop lamp at the rear which shall light up on the actuation of the control operating the brakes on the rear wheels].

(3) One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, the stop lamp of every motorcycle shall be so designed and fitted that it will light up on actuation of any of the controls which actuate the brakes on any wheel.]

103. Position of the indicator.--

(1) A direction indicator shall be fitted and every direction indicator shall be so designed and fitted that ⁶[the driver of the vehicle including a construction equipment vehicle] when in his driving seat is aware that it is operating correctly.

⁸[(2) One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, ⁶[every motor vehicle including a construction equipment vehicle] other than ¹²²[***] motor cycles shall be equipped with such a device that when the vehicle is in an immobilized condition all the direction indicators flash together giving hazard warning to other road users.]

⁸[104. Fitment of reflectors.--

¹²³[(1) Every motor vehicle manufactured on and after the 1st day of April, 2006, including trailers and semi-trailers, other than three wheelers and motor cycles shall be fitted with two red reflectors, one each on both sides at their rear. Every motor cycle shall be fitted with at least one red reflex reflector at the rear:

Provided that a reflective tape or reflective paint of not less than 20 mm width and running across the width of the body shall be affixed/ painted at the front and rear of every goods carriage.]

(2) Every goods carriage vehicle including trailers and semi-trailers other than three wheeler ¹²⁴[***] shall be fitted with two white reflectors one each at the extreme right and left bottom corners in the front of the vehicle and facing to the front. The reflecting area of each reflector shall not be less than 28.5 sq. centimetres, in the case of vehicles with overall length of more than 6 metres, and not less than 7 sq. centimeters in case of other vehicles.]

¹⁹[(3) All trailers including semi-trailers, other than those drawn by three wheeled tractors ¹²⁴[***] shall be fitted with the following reflex reflectors, namely:

(i) two white reflex reflectors in the front, one each at right and left corners at a height not exceeding 1500 mm above the ground;

(ii) two red reflex reflectors in the rear, one each at the right and left corners at a height not exceeding 1500 mm above the ground; and

(iii) the area of the reflectors referred to above shall not be less than 28.5 sq.cm. in the case of trailers with overall length exceeding 6 metres and shall not be less than 7 sq. cm in case of other trailers.]

³⁹[(4) On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, the reflectors referred to in this rule and in rule 110 shall be of reflex type conforming to ¹²⁵[AIS:057:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards, "Act, 1986 (63 of 1986)].]

⁴⁰[(5) On and from the date of commencement of the Central Motor Vehicles Rules, 1993 every motor vehicle and trailer of length exceeding 6 metres shall be fitted with two amber coloured reflex reflectors on each left hand and right hand of the vehicle, one set as close to the front end as possible and the other set as close to the rear end as possible. The height of the side reflectors above the ground shall not be more than 1500 mm. The area of each reflector shall not be less than 28.5 sq. cm.:

Provided that in case the distance between the two side reflectors is more than 3 metres, additional intermediate side reflectors shall be fitted so that the distance between any adjacent side reflector is not more than 3 metres.]

²**[104A. Fitment of reflectors on construction equipment vehicles.--**

All construction equipment vehicles shall be fitted with--

(i) two white reflex reflectors in the front of the vehicle on each side and visible to on-coming vehicles from the front at night;

(ii) two red reflectors in the rear of the vehicle, one each at right and left corners, at a height not exceeding 1500 mm above the ground in the case of unobstructed vision from the rear and the implement or device shall not obstruct the visibility of the reflectors to the following vehicle;

(iii) two sets of amber coloured side reflex reflectors, one each on left hand and right hand sides of the vehicle, one set as close to the front end and the other set as close to the rear and as possible to the basic machine without attachments and if the distance between the two amber side reflex reflectors is more than 3 metres additional intermediate amber side reflex reflectors shall be fitted so that the distance between any adjacent amber side reflex reflector is not more than 3 metres:

⁶[Provided that the fitment of reflex reflectors on the implements such as booms of cranes and arms of shovels, shall not be mandatory. However, wherever possible the fitment of these reflectors may be done considering the working environment/nature of these machines in the fields.]

(iv) the reflecting area of each reflex reflector shall not be less than 28.5 sq.cms;

(v) the construction equipment vehicle shall be fitted with a retro-reflective tape or retro-reflective paint of not less than 20 millimetres width, running across the width of the body at the front and rear, and the colour of the reflective tape or reflective paint shall be white at the front and red at the rear.

(vi) the reflectors referred to in this sub-rule, shall be of reflex type conforming to Indian Standard IS: 8339 specified by the Bureau of Indian Standards;

(vii) the retro-reflective tape and paint shall be as per clause 801 and 803 of Ministry of Surface Transport (Roads Wing) specifications for Road and Bridge works, (Third Revision, 1995) as amended from time to time.]

⁴¹[***]

¹¹⁶**[104B. Fitment of reflectors for agricultural tractors.-**

(1) Every agricultural tractor manufactured on and after the 1st day of April, 2006 shall be fitted with two non-triangular red reflectors of not less than 7 sq.cm reflecting area one each on both sides at the rear.

(2) The reflectors referred in sub-rule (1) of this rule shall be of the reflex type conforming to AIS:057:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards, Act, 1986 (63 of 1986).

104C. Fitment of reflectors on Power tillers.-

(1) On and from one year from the date of commencement of the Central Motor Vehicles (Fifth Amendment) Rules, 2005, every power tiller shall be fitted with two white reflex reflectors of not less than 7 sq.cm reflecting in the front of the vehicle one on each side and visible to oncoming vehicles from the front at night, conforming to AIS 057: 2005 till corresponding BIS specifications are notified under the Bureau of Indian Standards, Act, 1986 (63 of 1986).

(2) In the case of trailers attached to power tillers, two red reflectors of not less than 7 sq.cm reflecting area in the rear side, one each at right and left corners, at a height not exceeding 1500 mm above the ground shall also be fitted.]

105. Lamps.--

¹²⁶[(1) Save as hereinafter provided, every motor vehicle, while being driven in a public place, during the period half an hour after sunset and at any time when there is no sufficient light, shall be lit with the following lamps which shall render clearly discernible persons and vehicles on the road at a distance of one hundred and fifty five metres ahead:-

(a) in the case of motor vehicle other than three wheelers, three wheeled invalid carriages and motor cycles, two or four head lamps;

(b) in the case of motor cycles, three wheelers and three wheeled invalid carriages one or two head lamps.

(c) in the case of a side car attached to a motor cycle one lamp showing a white light to the front."

(d) in the case of construction equipment vehicle, two or four lamps showing to the front white light visible from a distance of one hundred and fifty five meters ahead.]

(2) Every such motor vehicle other than ³⁷[***] a three wheeler shall also carry--

(i) ¹⁹[two lamps (hereinafter referred to as the rear lamp) showing to the rear a red light visible in the rear from a distance of one hundred and fifty-five metres; and in the case of

a motor cycle one lamp showing the red light to the rear visible from a distance of seventy-five metres]; and

(ii) lamp, which may be the rear lamp or some other device, illuminating with a white light the whole of the registration mark exhibited ⁹[⁶on the rear of the vehicle including a construction equipment vehicle] and on the side in the case of construction equipment vehicle] so as to render it legible from a distance of fifteen metres to the rear:

Provided that when a motor vehicle is drawing another vehicle or vehicles and the distance between such vehicles does not exceed 1.5 metres, it shall be sufficient if the last drawn vehicle carries a rear lamp or a lamp illuminating the rear registration mark:

²[Provided further that every construction equipment vehicle shall also carry two lamps showing to the rear red lights visible in the rear from a distance of one hundred and fifty five metres.]

⁸[(3) On and from the commencement of the Central Motor Vehicles (Amendment) Rules, 1993, all the obligatory front head lamps of a motor vehicle other than motor cycles shall be as nearly as possible of the same power and fixed at a height as specified in Indian Standards ¹⁹[IS: 8415-1977] (clause 4.1):

Provided that in the case of four-wheel drive cross country vehicles, the maximum height of the said front head lamps may be as per limits specified in Indian Standards IS:8415 (clause 4.1.1):

⁴³[***]

Provided further that on and from the commencement of the Central Motor Vehicles (Amendment) Rules, 1993, all vehicles other than three-wheelers of engine capacity less than 500 cc. motor cycles and three wheeled invalid carriages manufactured shall be fitted with two rear lamps showing red light to the rear.]

²[(3A) On and from the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, all the obligatory front head lamps of a construction equipment vehicle shall be as nearly as possible of the same power and fixed at a height so that front visibility is maintained and farthest point of equipment/ attachment is clearly seen by oncoming traffic.]

(4) The rear lamp shall be fixed either on the centre line of the vehicle or to the right hand side, and save in the case of a transport vehicle, at a height of not exceeding one metre above the ground.

⁴⁴[***]

(5) In the case of a transport vehicle, the rear light may be fixed at such level as may be necessary to illuminate the registration mark.

(6) Every heavy goods carriage ¹⁹[including trailers] shall be fitted with a red indicator lamp of size of thirty centimetres by ten centimetres on the extreme rearmost body cross beam and in the case of a vehicle not constructed with body in the rear, the indicator lamp shall be fitted near the right rear light above the rear number plate:

⁴⁵[Provided that every construction equipment vehicle of an unconventional or extraordinary type in travel mode shall be fitted or installed with a red indicator lamp of size of not less than 100 square centimetres on the extreme rear-most point of the body.]

⁴⁶[(7) On and from the date of commencement of the Central Motor Vehicles (Amendment) Rules 1999, every motor vehicle manufactured shall be fitted with at least one lamp which shall automatically be operated, throwing a white light to the rear, when the vehicle is being driven in the reverse gear.]

³[(8) In the case of vehicles, other than three wheelers of engine capacity not exceeding 500cc, which are attached with trailers, all the lamps required to be fitted on the rear of the vehicle shall be fitted at the rear of the trailer].

⁴⁷[(8A) On the commencement of the Central Motor Vehicle (Sixth Amendment) Rules, 2000, every construction equipment vehicle shall be fitted with two lamps at the rear throwing light to the rear when the vehicle is being driven in the reverse gear and there shall also be an audible warning system operating when the vehicle is being driven in the reverse gear the audible warning system and the light being automatically operated when the vehicle is in reverse gear.]

106. Deflection of lights.--

(1) No lamp showing a light to the front shall be used on any motor vehicle including construction equipment vehicle (whether fitted with single or dual head lamp) unless such lamp is so constructed, fitted and maintained that the beam of light emitted therefrom--

⁸(a) is permanently deflected downwards to such an extent that it is not capable of dazzling any person whose eye position is,--

(A) at a distance of 8 metres from the front of lamp,

(B) at a distance of 0.5 metre to the right side of the lamps, i.e., fitted at right extreme of the vehicle, from the right edge of the lamp, and

(C) at a height of 1.5 metres from the supporting plane of the vehicle:

⁴⁸[***]

(b) is capable of being deflected downwards by the driver in such manner as to render it incapable of dazzling any such person in the circumstances aforesaid;

(c) is capable of being extinguished by the operation of a device which at the same time causes a beam of light to be emitted from the lamp which complies with the provision of clause (a);

(d) is capable of being extinguished by the operation of a device which at the same time either deflects the beam of light from another lamp downwards or both downwards and to the left in such manner as to render it incapable of dazzling any person in the circumstances aforesaid, or brings into or leaves in operation a lamp which complies with the provisions of clause (a).

⁴⁹[***]

⁵⁰[(2)] The provisions of sub-rule (1) shall not apply to any lamp fitted with an electric bulb, if the power of the bulb does not exceed 7 watts and the lamp is fitted with a frosted glass or other material which has the effect of diffusing the light.

⁸**[107. Top lights.--**

Every goods vehicle including trailer and semi-trailer other than three wheelers and vehicles with overall width not exceeding 2.1 metres shall be fitted with two white lights at the top right and left corners ¹⁹[showing white light to the front] and two red lights at the top right and ¹⁹[showing red light to the rear]. The lights shall remain lit when the vehicle is kept stationary on the road during night and at the time of poor visibility:

Provided that in the case of goods carriage without a full body in the rear, provision for fitting of the top light at the rear shall not be necessary.]

²**[107A. Implement lights for construction equipment vehicle.--**

Construction equipment vehicle having implements with front overhang greater than 60% of wheelbase shall be fixed with additional implement light of amber colour at a location nearest to the extreme edge of the implement without affecting the functions of showing light in all directions and where the implement is more than 3 metres in length, additional amber coloured lamps shall be fixed at a distance of not exceeding 3 metres for the entire length of the implement:

Provided that in case of rear overhang the additional implement lights shall be in red colour.]

³¹**[108. Use of red, white or blue light.--**

(1) No motor vehicle shall show a red light to the front or light other than red to rear:

Provided that the provisions of this rule shall not apply to--

- (i) the internal lighting of the vehicle; or
- (ii) the amber light, if displayed by any direction indicator or top light or as top light used on vehicle for operating within the premises like airports, ports without going outside the said premises on to public roads;
- (iii) a vehicle carrying high dignitaries as specified by the Central Government⁵¹ or the State Government, as the case may be, from time to time;
- (iv) the blinker type of red light with purple glass fitted to an ambulance van used for carrying patients; or
- (v) to a vehicle having a lamp fitted with an electrical bulb, if the power of the bulb does not exceed seven watts and the lamp is fitted with frosted glass or any other material which has the effect of diffusing the light;
- (vi) white light illuminating the rear number plate;
- (vii) white light used while reversing;
- (viii) plough light provided in agricultural tractors of illuminating the implement's working area on the ground in agricultural field operations.

(2) Use of blue light with flasher shall be determined and notified by the State Governments at their discretion;

(3) Use of blue light with or without flasher shall be permitted as top light on vehicles escorting high dignitaries entitled to the use of red light;

(4) Use of multi-coloured red, blue and white light shall be permitted only on vehicles specifically designated for emergency duties and shall be specifically specified by State Governments;

(5) The State Government shall inform the Central Government regarding publication of notifications issued by the concerned State Government under sub-rule (2) and under clause (e) of the Notification No. S.O. 52 (E), dated 11th January, 2002, published in the Gazette of India, Ministry of Road Transport and Highways, regarding use of red light on top of vehicle being used by dignitaries;

(6) In case vehicle is not carrying dignitaries, red or blue light, as the case may be, light shall not be used and be covered by black cover.]

²[108A. Use of red or white light on construction equipment vehicles.--

No construction equipment vehicle shall show a red light to the front or light other than red to the rear:

Provided that the provision of this rule shall not apply to--

- (i) the internal lighting of the vehicle;
- (ii) the amber light, if displayed by any direction indicator or top light;
- (iii) white light illuminating the rear or side registration number plate;
- (iv) white light used while reversing.
- (v) light provided for illuminating the implement's working area on the ground in off highway or construction operations.]

⁸[109. Parking light.--

⁹[Every construction equipment vehicle and every motor vehicle other than ¹²⁴[***] motor cycles and three wheeled invalid carriages shall be provided with one white or amber parking light on each side in the front. In addition to the front lights, two red parking lights one on each side in the rear shall be provided. The front and rear parking lights shall remain lit even when the vehicle is kept stationary on the road:

Provided that these rear lamps can be the same as the rear lamps referred to in rule 105 sub-rule (2):

⁵²[***]

²[Provided also that construction equipment vehicles, which are installed with flood light lamps or spot lights at the front, rear or side of the vehicle for their off-highway or construction operations, shall have separate control for such lamps or lights and these shall be permanently switched-off when the vehicle is travelling on the road.]

⁸[110. ¹²⁷[Lamps on three wheelers.--]

¹²⁸[three wheeler]. shall be fitted with one front head lamp and ¹⁹[two side white or amber lights] or two front lamps on the body. In addition to the front lamp or side lights, it shall be fitted with ¹⁹[two rear lamp showing to the rear red light] visible from a distance of 75 metres and a white light illuminating the registration mark exhibited on the rear of the vehicle so as to render it legible from a distance of 15 metres: and also two red reflex reflectors each having a reflecting area of not less than seven square centimetres:

Provided in case where these vehicles are attached with trailers, the rear fitments mentioned in this rule and direction indicator system mentioned in rule 102 shall also be provided at the rear of the trailer.]

¹¹⁶[Provided further that fitment of one head lamp shall be applicable only in case of three wheelers with overall width not exceeding 1400 mm and in such cases the side lights shall be amber in colour.]

111. Prohibition of spot lights, etc.--

No spot-light or search-light shall be carried on the front of any vehicle except in exceptional circumstances with the prior approval of the registering authority.

Smoke, Vapour, Spark, Ashes, Grit and Oil

112. Exhaust gases.--

Every motor vehicle shall be so constructed or equipped that the exhaust gases from the engine are discharged neither downward nor to the left side of the vehicle and shall be so fitted as to allow the gases to escape to the right side or rear of the vehicle:

Provided that in the case of tankers carrying explosives and inflammable goods, the fitment of exhaust pipe shall be according to the specification of the Inspector of Explosives:

²[Provided further that, in the vehicles where the exhaust gases are discharged to the right of the vehicle, slight downward angle shall be permitted, provided the exhaust gases do not kick up any dust when the vehicle is stationary and engine running and in any case the angle of the pipe to the horizontal should not be more than 30 degrees:

Provided also that where the exhaust gases are discharged to the left of the vehicle the inclination of exhaust pipe should not cross 30 degrees in downward and 30 degrees in left direction against the vertical plane which includes the vehicle centre line, provided the exhaust gases do not take up any dust when the vehicle is stationary and engine running:

⁵³[Provided further that in the case of agricultural tractors, vertical or horizontal] exhaust pipe may be provided and outlet of this pipe should be so directed that the driver of the tractor is not exposed to exhaust gases by locating the outlet over or to the side of head-level of the driver as per Indian Standards IS: 12239 (Part 1) 1988:]

²[Provided also that in the case of construction equipment vehicle vertical exhaust pipe may be fitted and outlet of this pipe shall be so directed that the driver of the vehicle is not exposed to exhaust gases.]

113. Location of exhaust pipes.--

On and from the date of commencement of this sub-rule, ⁶[no exhaust pipe of a motor vehicle including construction equipment vehicle] shall be located within a distance of 35 millimetres from the fuel line connecting to the fuel tank and engine.

114. Exhaust pipes of public service vehicles.--

The exhaust pipe of every public service vehicle shall be so fitted or shielded that no inflammable material is thrown upon it from any other part of the vehicle and that it is not likely to cause a fire through proximity to any inflammable material on the vehicle.

Emission of smoke, vapour etc., from motor vehicles

115. Emission of smoke, vapour, etc. from motor vehicles.--

⁵³[(1) Every motor vehicle other than motor cycles of engine capacity not exceeding 70 cc, manufactured prior to the first day of March 1990, shall be maintained in such condition and shall be so driven so as to comply with the standards prescribed in these rules.]

⁵⁴[(2) On and after 1st October, 2004, every motor vehicle operating on--

(i) Petrol/CNG/LPG shall comply with the idling emission standards for Carbon Monoxide (CO) and Hydro Carbon (HC) given in the Table below:

TABLE: PETROL/CNG/LPG DRIVEN VEHICLES

Sr. No.	Vehicle Type	CO%	*HC (n-hexane equivalent) ppm
1.	2 & 3 - Wheelers (2/4-stroke) (Vehicles manufactured on and before 31st March, 2000)	4.5	9000
2.	2 & 3 - Wheelers (2-stroke) (Vehicles manufactured after 31st March, 2000)	3.5	6000
3.	2 & 3 - Wheelers (4-stroke) (Vehicles manufactured after 31st March, 2000)	3.5	4500
¹⁴⁶ [4.	4-wheelers manufactured as per pre Bharat Stage-II norms.	3.0	1500
5.	4-wheelers manufactured as per Bharat Stage-II, Bharat Stage-III or subsequent norms.	0.5	750]

Note.--The test shall be carried out using the instrument type approved as per rule 116(3) of the Central Motor Vehicles Rules, 1989 (CMVR) with the vehicle engine warmed up after a run of minimum 15 minutes on a variable course under normal traffic condition. During the test the vehicle engine shall be running at idling speed and the sampling probe shall be inserted into the vehicle exhaust system to a depth not less than 300mm. In case CO and/or HC emission values recorded during the test are not within the limits, the testing shall be discontinued and the vehicle owner shall be advised to resubmit the vehicle after repair/service.

* The idling emission standards for vehicles when operating on Compressed Natural Gas (CNG), shall contain Non-Methane Hydro Carbon (NMHC) in place of Hydrocarbon (HC) and shall be estimated by the following formula:

$$\text{NMHC} = 0.3 \times \text{HC}$$

Where HC = Total hydrocarbon measured as n-hexane equivalent

Similarly idling emission standards for vehicles when operating on Liquefied Petroleum Gas (LPG) shall contain Reactive Hydro Carbon (RHC) in place of

Hydrocarbon (HC) and shall be estimated by the following formula:

$$\text{RHC} = 0.5 \times \text{HC}$$

Where HC = Total Hydrocarbon measured as n-hexane equivalent:

Provided that in case of Petrol vehicles fitted with three way closed loop catalytic converters operating in a specific city or area, the Government of the

respective State or Union Territory Administration, as the case may be, may, by notification in the Official Gazette, specify the introduction of measurement of LAMBDA (dimensionless value representing burning efficiency of an engine in terms of the air/fuel ratio in the exhaust gases) and tighter emission norms for in-use vehicles with such periodicity as may be warranted, after ensuring that gas analyzers capable of measuring the values, duly approved by the testing agencies, are available in such city or area, as the case may be:

Provided further that testing procedures are prescribed in TAP documents No. 115 and 116 as amended from time to time.

Provided also that the compliance to the limits prescribed in the above proviso shall be included in the certificate issued by the vehicle manufacturer in Form 22 or Form 22A, as applicable for the vehicle manufactured on or after 1st October, 2004.

(ii) Smoke density for all Diesel driven-vehicles shall be as follows

TABLE: DIESEL VEHICLES

Method of Test	Maximum Smoke Density	
	Light absorption coefficient(1/m)	Hartidge units
Free acceleration test for turbo charged engine and naturally aspirated engine.	2.45	65

The free acceleration test shall be carried out using the instrument type approved as per CMVR 116 (3) with the vehicle engine warmed up to attain oil temperature of minimum 60C. During each free acceleration, maximum no load speed reached shall be within bandwidth of ⁵⁵[500] rpm of the average value in respect of 3-wheeler vehicles and ⁵⁶[300] rpm of the average value for all other categories of vehicles. The free acceleration test shall be repeated till the peak smoke density values recorded in four successive accelerations meeting above maximum no load rpm criteria are situated within a bandwidth of 25% of the arithmetic mean (in m-1 unit) of these values or within a bandwidth 0.25 K, whichever is higher and do not form a decreasing sequence. The smoke density to be recorded shall be arithmetic mean of these four readings. In case the valid readings are not obtained within 10 free accelerations or the smoke density recorded is not within the limits, the testing shall be discontinued and the vehicle owner shall be advised to resubmit the vehicle after repair/service.]

(3) On and from the date of commencement of this sub-rule⁵⁷, all petrol-driven vehicles shall be so manufactured that they comply with the mass emission standards as specified at Annexure I. The breakdown of the operating cycle used for the test shall be as specified at Annexure II, and the reference fuel for all such tests shall be specified in Annexure III to these rules.

(4) On and from the date of commencement of this sub-rule⁵⁸, all diesel-driven vehicles shall be so manufactured that they comply with the following based on exhaust gas capacity as specified at Annexure IV to these rules.

(5) On and from the date⁵⁶ of commencement of this sub-rule, all petrol-driven vehicles shall be so manufactured that they comply with the following levels of emissions ⁸[when tested as per test cycle specified in Annexure V]:--

Mass of Carbon Monoxide (CO) Max. grams per KWH	Mass of Hydrocarbons (HC) Max. grams per KWH	Mass of Nitrogen Oxides (NO) Max. grams per KWH
14%	3.5	18

¹[Provided the standards for exhaust gas emissions applicable to agricultural tractors shall be notified separately.]

(6) Each motor vehicle manufactured on and after the dates specified in sub-rules (2), (3), (4) or (5), shall be certified by the manufacturers to be conforming to the standards specified in the said sub-sections, and further certify that the components liable to effect the emission of gaseous pollutants are so designed, constructed and assembled as to enable the vehicle, in normal use, despite the vibration to which it may be subjected, to comply with the provisions of the said sub-rule.

²⁷[(7) After the expiry of a period of one year from the date on which the motor vehicle was first registered, every such vehicle shall carry a valid 'Pollution under control' certificate issued by an agency authorised for this purpose by the State Government. The validity of the certificate shall be for ⁵⁹[six months] and the certificate shall always be carried in the vehicle and produced on demand by the officers referred to in sub-rule (1) of rule 116.

(8) The certificate issued under sub-rule (7) shall, while it remains effective be valid throughout India.]

⁶⁰[(9) MASS EMISSION STANDARD FOR DIESEL VEHICLES.

TYPE APPROVAL TESTS

Vehicle Category	HC* (g/KWH)	CO*(g/KWH)	NOX (g/KWH)	Smoke
Medium & Heavy over 3.5 Ton/GVW	2.4	11.2	14.4	***
Light diesel upto 3.5 Ton/GVW or	2.4	11.2	14.4	***
Reference mass R(Kg)	g/Km	CO** g/Km	HC+NOX**	
R<1020	5.0	2.0		
1020<R<1250	5.7	2.2		
1250<R<1470	6.4	2.5		
1470<R<1700	7.0	2.7		
1700<R<1930	7.7	2.9		
1930<R<2150	8.2	3.5		
R<2150	9.0	4.0		

Note.--

* The test cycle is as per 13 mode cycle on dynamometer.

** The test should be as per Indian driving cycle with cold start.

*** The emissions of visible pollutants (smoke) shall not exceed the limit value to smoke density. When expressed as light absorption coefficient given below for various nominal flows when tested at constant speeds over full load. (As indicated at Annexure I).

COP STANDARDS

* 10% relaxation in the standards for HC, CO and NOX would be given.

** 10% relaxation in the standards for CO and combined HC+NOX would be given.

⁶¹[MASS EMISSION STANDARD FOR PETROL DRIVEN VEHICLES]

(i) PASSENGER CARS		Effective from 1st April, 1998		
Type approval Tests				
Cubic Capacity (cm ³)	Carbon Monoxide (gm/km)		HC + NOX(gm/km)	
	Passenger cars fitted with Catalytic Converter	Passenger cars not fitted with Catalytic Converter	Passenger cars fitted with Catalytic Converter	Passenger cars not fitted with Catalytic Converter
≤1400	4.34	8.68	1.50	3.00
≥1400≤2000	5.60	11.20	1.92	3.84
>2000	6.20	12.40	2.18	4.36

Note.-- 1. The tests will be as per Indian Driving Cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian Driving Cycle with cold start for catalytic converter fitted vehicles as:--

Soak Temperature	=	20-- 30C
Soak Period	=	6-30 hrs
Preparatory running before sampling	=	4 cycles
Number of test cycles	=	6
Break down of cycles	=	Indian Driving Cycles as per Annexure II

2. For passenger cars not fitted with catalytic converters, the test will continue to be with warm start as per existing procedure, till 1-4-2000.

3. There should be no crankcase emission.

4. Evaporative emission should not be more than 2.0 g/test.

5. COP standards: 20% relaxation in the standards for Carbon Monoxide and combined HC+NOx would be given.

6. For vehicles fitted with Catalytic Converter a deterioration factor of 1.2 on type Approval Limits will be applicable for durability.

(ii) Three wheelers (for all categories)--

CO gms/km	6.75
HC + NOx gms/km	5.40

Note.-- 1. The test will be as per Indian driving cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian driving cycle with cold start.

2. COP standards: 20% relaxation in the standards for Carbon Monoxide and combined HC+NOx would be given.

(iii) Two Wheelers (for all categories)

CO gms/km	4.50
HC+ NOx gms/km	3.60

Note.-- 1. The test will be as per Indian driving cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian driving cycle with cold start.

2. COP standards: 20% relaxation in the standards for Carbon Monoxide and combined HC+NOx would be given.

ANNEXURE 1

Nominal G(1/2)	Flow	Light (K(1/m))	Absorption	Nominal G(1/2)	Flow	Light (K(1/m))	Absorption
42			2.26	120			1.37
45			2.19	125			1.345
50			2.08	130			1.32
55			1.985	135			1.30
60			1.90	140			1.27
65			1.84	145			1.25
70			1.775	150			1.205
75			1.72	160			1.19
80			1.665	165			1.17
85			1.62	170			1.155
90			1.575	175			1.14
95			1.535	180			1.125
100			1.495	185			1.11
105			1.465	190			1.095
110			1.425	195			1.08
115			1.395	200			1.065]

⁶²[⁶³[(10) MASS EMISSION STANDARDS FOR VEHICLES MANUFACTURED ON AND AFTER 1ST JUNE, 1999 IN CASE OF NATIONAL CAPITAL REGION OF DELHI AND IN OTHER CASES ON AND AFTER 1ST APRIL, 2000]

A. FOR PETROL DRIVEN VEHICLES

(1) PASSENGER CARS	CO(g/km)	HC+NOX (g/km)
Type Approval	2.72	0.97
Conformity of Production	3.16	1.13

Notes.--

1. The test shall be as per the modified Indian Driving Cycle, with cold start, as specified in Annexure IV B, on chassis Dynamometer.
2. There should be no crankcase emission.
3. Evaporative emission should not be more than 2.0g/test.
4. For vehicles fitted with Catalytic Converter, a deterioration factor of 1.2 on Type Approval Limits will be applicable for durability.
5. Commercial fuel shall be as notified by the Ministry of Environment and Forests vide Notification No. G.S.R. 176 (E), dated the 2nd April, 1996.
6. Reference test fuel shall be as specified in Annexure IV C.

2-Wheelers and 3-Wheelers	CO(g/km)		HC+NOX (g/km)	
	2-Wheeler	3-Wheeler	2-Wheeler	3-Wheeler
Type Approval	2.0	4.0	2.0	2.0
Conformity of Production	2.4	4.8	2.4	2.4

Notes.--

The test shall be as per the Indian Driving Cycle, with cold start on Chassis Dynamometer as specified in Annexure IV B to the principal rules.

Commercial fuel shall be as notified by Ministry of Environment and Forests vide Notification No. G.S.R. 176 (E), dated 2nd April, 1996.

Reference test fuel shall be as specified in Annexure IV C.

²⁵[For 2-wheelers and 3-wheelers fitted with catalytic converter, a deterioration factor of 1.2 on Type Approval limits, will be applicable for durability:

Provided that the vehicle manufacturers may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government.]

B. FOR DIESEL VEHICLES (INCLUDING TWO AND THREE WHEELERS)

I. Vehicles with GVW exceeding 3.5 ton

Pollutants	Limits for	
	Type Approval	Conformity of Production
CO(g/kWh)	4.5	4.9

HC(g/kWh)	1.1	1.23
NOX (g/kWh)	8.0	9.0
PM (g/kWh) for engines with power exceeding 85kW	0.36	0.4
PM (g/kWh) for engines with power not exceeding 85 kW	0.36	0.4

II. Vehicles with GVW equal to or less than 3.5 ton

Pollutants	Limits for	
	Type Approval	Conformity of Production
CO(g/kWh)	4.5	4.9
HC(g/kWh)	1.1	1.23
NOX (g/kWh)	8.0	9.0
PM (g/kWh) for engines with power exceeding 85kW PM (g/kWh) for engines with power equal to or less than 85 kW	0.36	0.4
	0.61	0.68

Or Chassis Dynamometer Test

Reference Mass (kg)	Limits for Type Approval gm/km			Limits for conformity of Production gm/km		
	CO	HC+NOX	PM	CO	HC+NOX	PM
$R \leq 1250$	2.72	0.97	0.14	3.16	1.13	0.18
$1250 \leq R \leq 1700$	5.17	1.40	0.19	6.0	1.60	0.22
$1700 \leq R$	6.90	1.70	0.25	8.0	2.0	0.29

Notes.--

The test for vehicles with GVW equal to or less than 3.5 ton shall be as per the 13 mode cycle on engine dynamometer specified in Annexure IV A to the principal rules.

The test shall be as per the Indian Driving Cycle, for 2-Wheelers and 3-Wheelers and modified Indian Driving Cycle for 4-Wheelers with cold start, as specified in Annexure IV B on Chassis Dynamometer.

For vehicles fitted with catalytic converters a deterioration factor 1.1 of CO; 1.0 for HC+NOX and 1.2 for PM on type approval limits will be applicable for durability.

The emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various nominal flows as in Annexure I to rule 115 (9) (Notification No. G.S.R. 163 (E), dated 29th March, 1996), when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

Commercial fuel shall be as notified by Ministry of Environment and Forest vide Notification No. G.S.R. 176 (E), dated 2nd April, 1996.

Reference test fuel shall be as specified in Annexure IVD]

²⁵[For 2-wheelers and 3-wheelers fitted with catalytic converter, the deterioration factor shall be as follows:--

CO = 1.1; HC + NO_x = 1.0; PM = 1.2:

Provided that the vehicle manufacturers may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government:

Provided further that the above provisions shall come into force after six months from the publication of the notification.]

⁶⁴[(11) MASS EMISSION STANDARDS (BHARAT STAGE-II):]

(A) Motor Cars with seating capacity of and upto 6 persons (including driver) and Gross Vehicle Mass (GVM) not exceeding 2500 kg.

Vehicles with	Standards (Type Approval =COP)(g/km)		
	CO	(HC+NOX)	PM
Gasoline engine	2.2	0.5	--
Diesel engine	1.0	0.7	0.08

(B) Four-wheeler Passenger Vehicles with GVW equal to or less than 3500 kg and designed to carry more than 6 persons (including driver) or maximum mass of which exceeds 2500 kg.

		Limit Values for Type Approval (TA) as well as COP				
Class	Ref. Mass(rw) Kg	Mass of CO(g/km)		Mass of HC+NO _x (g/km)		Mass of PM(g/km)
		Gasoline	Diesel	Gasoline	Diesel	Diesel
I	rw<1250	2.2	1.0	0.5	0.7	0.08
II	1250<rw<1700	4.0	1.25	0.6	1.0	0.12
III	1700<rw	5.0	1.5	0.7	1.2	0.17

Notes.--

1. The test including driving cycle shall be as per sub-rule (10), with the modifications that--

- (i) there shall be no relaxation of norms for COP purposes;
- (ii) the tests shall be in Chassis dynamometer;
- (iii) the driving cycle shall be at a maximum speed of 90 kmph; and
- (iv) the reference fuel shall be of a maximum of 0.05% sulphur content;

2. Commercial fuel for meeting above norms shall be upto 0.05% mass maximum sulphur content.

3. There shall be no crankcase emissions for petrol driven vehicles.

4. Evaporative emission shall not be more than 2.0g/test from petrol driven vehicles.

5. For the above vehicles when fitted with catalytic converter deterioration factor shall be as follows:--

Gasoline engines: CO=1.2;(HC+NOX)=1.2;

Diesel engines: CO=1.1;(HC+NOX)=1.0;PM=1.2

Provided that the vehicle manufacturers may opt for an aging test of 80,000 kms. for evaluating deterioration factor, as per procedure that may be laid down by the Central Government.

6. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flows as in Annexure-I to rule 115(9) when tested at constant speeds over full load".]

⁶⁵[(C) Four Wheeled Vehicles (other than passenger vehicles) with GVW equal to or less than 3500 kg shall conform the following norms:--

ENGINE DYNAMOMETER TEST

Limit Values for Type Approval (TA) as well as (COP)

CO(g/k Wh.)	HC(g/k Wh.)	NOx(g/k Wh.)	PM(g/k Wh.)
4.0	1.1	7.0	0.15

Or Chassis Dynamometer Test

Class	Ref. Mass (RM) kg	Mass of CO (g/km)		Mass HC+NOx (g/km)		Mass of PM (g/km)
		Gasoline	Diesel	Gasoline	Diesel	
I	RM≤1250	2.2	1.0	0.5	0.7	0.08
II	1250<RM≤1700	4.0	1.25	0.6	1.0	0.12
III	1700<RM	5.0	1.5	0.7	1.2	0.17

Notes.--1.(a) There shall be no relaxation for COP purposes.

(b) The tests shall be carried out on the engine dynamometer operation as specified in Annexure IV A of the rules. The tests on chassis dynamometer shall be as per the driving cycle given in Note of clause (B) of sub-rule 11 of rule 115.

(c) The reference fuel for meeting above norms shall be up to 0.05% maximum mass sulphur content.

2. Commercial fuel for meeting above norms shall be up to 0.05 maximum mass sulphur content.

3. For Diesel engined vehicles the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flows as in Annexure I to sub-rule (9) of rule 115 when tested at constant speeds over full load. These smoke limits are without correction factor and

engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

4. For Diesel engined vehicles, the free acceleration smoke for naturally aspirated and turbo-charged engines shall not exceed the smoke density limit value as in clause (c) of sub-rule (2) of rule 115.

5. There shall be no crankcase emissions for Petrol engined vehicles.

6. Evaporative emission shall not be more than 2.0/g test from Petrol engined vehicles.

(D) Vehicles with GVW exceeding 3500 kg shall conform the following norms:--Limit Values for Type Approval (TA) as well as (COP)

CO(g/k Wh.)	HC(g/k Wh.)	NOx(g/k Wh.)	PM(g/k Wh.)
4.0	1.1	7.0	0.15

Notes.--1.(a) There shall be no relaxation for COP purposes.

(b) The tests shall be carried out on the engine dynamometer operation as specified in Annexure IV A of the rules.

(c) The reference fuel shall be of a maximum of 0.05% mass sulphur content.

2. Commercial fuel for meeting above norms shall be up to 0.05% mass maximum sulphur content.

3. For Diesel engined vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flow as in Annexure I to sub-rule (9) of rule 115 when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

4. For Diesel engined vehicles, the free acceleration smoke for naturally aspirated and turbo-engines shall not exceed the smoke density limit value as in clause (c) of sub-rule (2) of rule 115.]

⁶⁶[12) MASS EMISSION STANDARDS (BHARAT STAGE-II) FOR TWO-WHEELER AND THREE-WHEELER MANUFACTURED ON AND FROM 1ST APRIL, 2005 SHALL BE AS FOLLOWS, NAMELY:--

TABLE

Vehicle Category	Pollutants	TA = COP norms g/km	TA = COP D.F. (*)
(1)	(2)	(3)	(4)
Two wheeler (Petrol)	CO	1.50	1.2
	HC+NOx	1.50	1.2
Three wheeler (Petrol)	CO	2.25	1.2
	HC+NOx	2.00	1.2
Two wheeler and three wheeler (Diesel)	CO	1.00	1.1

	HC+NO _x	0.85	1.0
	PM	0.10	1.2

* Deterioration Factor, see para (C) below.

(a) The test shall be as per the Indian Driving Cycle with cold start on chassis dynamometer as specified in the Table given below by testing agencies, namely:--

TABLE

Test Cell Conditions	Petrol two wheeler and three wheeler	Diesel two wheeler and three wheeler
(1)	(2)	(3)
Soak Temperature	20-30C	20-30C
Soak period	6-30 hours	6-30 hours
Preparatory running before sampling	Idling of 40 seconds and 4 cycles	Idling of 40 seconds
No. of test cycles	6	6
Break down of cycles	Indian Driving Cycle as per Annexure II to principle rule	Indian Driving Cycle as per Annexure II to principle rule

(b) Reference fuel for testing shall be in line with that in the ECE.

(c) (i) For all types of two wheeler and three wheeler petrol vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability:

Provided that the vehicle manufacturer may opt for an ageing test of 30000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time.

(ii) For all types of two wheeler and three wheeler diesel vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability:

Provided that the vehicle manufacturer may opt for an ageing test of 30000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time;

(d) For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flow as indicated in Annexure I to sub-rule (9) of rule 115 when tested at constant speed over full load;

(e) COP frequency and Samples:--

Sl. No.	Type of Vehicle	Annual Production		COP Frequency
		Exceeding	Up to	
(1)	(2)	(3)	(4)	(5)

1.	Two wheeler and three wheeler	250 per 6 months	10000 per year	Once every year
2.	Two wheeler	100000 per year	150000 per 6 months	Once every 6 months
3.	Two wheeler	150000 per 6 months	--	Once every 3 months
4.	Three wheeler	10000 per year	75000 per 6 month	Once every 6 months
5.	Three wheeler	75000 per 6 months	--	Once every 3 months

For production volumes of less than 250 per 6 months the method as prescribed in the proviso to Rule 126A shall apply.

(f) Testing procedures shall be in accordance with the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Road Transport and Highways:]

⁶⁷[Provided that Mass emission standards (Bharat Stage II) for diesel driven two wheeler and three wheeler shall come into force on the dates specified against each of the States in Table below:

TABLE

Sl. No.	State	Date
(1)	(2)	(3)
1.	Rajasthan	1st June, 2005
2.	Uttar Pradesh -- Mathura, Kannauj, Muzaffarnagar, Aligarh, Farukkabad, Saharanpur, Badaun, Barreily, Moradabad, Hathras, Rampur, Bijnor, Agra, Pilibhit, J.P. Nagar, Mainpuri, Lalitpur, Hardoi, Firozabad, Jhansi, Shahjahanpur, Etawah, Jalon, Lakhimpur Kheri, Etah, Mahoba and Sitapur	1st June, 2005
3.	Uttranchal	1st July, 2005
4.	Madhya Pradesh	1st September, 2005
5.	Himachal Pradesh	1st October, 2005
6.	Jammu and Kashmir	1st October, 2005
7.	Punjab	1st October, 2005]

⁶⁸[(13) Without prejudice to the provisions contained in clause (a) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (a) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, notifications number S.O. 779 (E) dated 29th August, 2000 and number S.O. 90 (E) dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000, notifications number S.O. 731 (E) dated 21st July, 2001, number S.O. 801 (E) dated 26th July, 2002 and number S.O. 940 (E) dated 4th September, 2002, issued under clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001 and notification number

S.O. 91 (E) dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, the provisions of sub-rule (11) shall, in respect of four wheeled vehicles manufactured on and from the 1st April, 2005, come into force in all States and Union Territories on the 1st day of April, 2005:]

⁶⁹[Provided that provisions of sub-rule (11) shall, in respect of four-wheeled vehicles to be registered in Sholapur and Lucknow, come into force in Sholapur and Lucknow from the 1st June, 2004:

Provided further that the above said provision shall not apply in respect of four-wheeled transport vehicles plying from Sholapur to other parts of the State of Maharashtra or from Lucknow to the other parts of the State of Uttar Pradesh; or on inter-State or National Permit or on the All India Tourist Permit, within the territorial jurisdiction of the said cities:]

⁶⁷[Provided that Mass emission standards (Bharat Stage II) for diesel driven four wheeled vehicles shall come into force on the dates specified against each of the States in Table below:

TABLE

Sl. No.	State	Date
(1)	(2)	(3)
1.	Rajasthan	1st June, 2005
2.	Uttar Pradesh-- Mathura, Kannauj, Muzaffarnagar, Aligarh, Farukkabad, Saharanpur, Badaun, Barreily, Moradabad, Hathras, Rampur, Bijnor, Agra, Pilibhit, J.P. Nagar, Mainpuri, Lalitpur, Hardoi, Firozabad, Jhansi, Shahjahanpur, Etawah, Jalon, Lakhimpur Kheri, Etah, Mahoba and Sitapur	1st June, 2005
3.	Uttranchal	1st July, 2005
4.	Madhya Pradesh	1st September, 2005
5.	Himachal Pradesh	1st October, 2005
6.	Jammu and Kashmir	1st October, 2005
7.	Punjab	1st October, 2005]

⁷⁰[(14) Mass Emission Standards (Bharat Stage III).--The Mass Emission Standards for Bharat Stage III shall be as under:

(A) Motor cars with seating capacity of and up to six persons (including driver) and Gross Vehicle Weight not exceeding 2500 kg.

Vehicles with	Limit values for Type Approval (TA) as well as COP (g/km)				
	CO	HC	NOx	HC+ NOx	PM
Gasoline	2.30	0.20	0.15	--	--
Diesel engine	0.64	--	0.50	0.56	0.05

(B) Four Wheeler Passenger Vehicles with Gross Vehicle Weight equal to or less than 3500 kg and designed to carry more than six persons (including driver) or 3000 kg.

and

(C) Four-wheeled Vehicle (other than passenger vehicles) with Gross Vehicle Weight equal to or less than 3500 kg shall conform to the following norms:--

Limit Values for Type Approval (TA) as well as COP (g/km)											
		CO		HC		NO _x		HC + NO _x		PM	
Class	Ref. Mass (rw) kg	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Diesel	
I	rw ≤ 1305	2.30	0.64	0.20	--	0.15	0.50	--	0.56	0.05	
II	1305 < rw ≤ 1760	4.17	0.80	0.25	--	0.18	0.65	--	0.72	0.07	
III	1760 < rw	5.22	0.95	0.29	--	0.21	0.78	--	0.86	0.10	

Notes.--

1. The test shall be on Chassis Dynamometer.
2. The test including driving cycle shall be as per sub-rule (10), with the modifications that--
 - (i) the exhaust gas sampling should start at the initiation of the engine start up procedure (refer Annexure IVE);
 - (ii) the driving cycle shall be at a maximum speed of 90 kmph (refer Annexure IVE for the detailed cycle).
3. There shall be no relaxation of norms for COP purposes.
4. In case of vehicles operating on CNG or LPG all the provisions prescribed in rules 115B and 115C shall be applicable except that the norms to be complied with shall be as per these rules.
5. The reference fuel shall be as specified in Annexure IVF, Annexure IVG, Annexure IVH and Annexure IV-I for diesel, petrol, LPG and CNG, respectively.
6. There shall be no crankcase emissions for petrol driven vehicles.
7. Evaporative emission shall not be more than 2.0 g/test from petrol driven vehicles. The Evaporative Emission test procedure for vehicles with positive-ignition engines shall be as described in Annexure VI of European Economic Community (EEC) Directive 70/220/EEC last amended by 98/69/ EC.
8. The Conformity of Production (COP) testing procedure shall be as described in section 7 of Annexure I of EEC Directive 70/220/EEC (Refer Appendix 1 or Appendix 2 as applicable) last amended by 98/69/EC.
9. The COP frequency and samples--
 - (i) The COP period for each vehicle model including its variants shall be once in a year.

(ii) For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126A shall apply.

10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS: 1460-2000 (Amendment No. I --January, 2003) (Fourth Revision) for Diesel and IS: 2796-2000 (Amendment No. II --February, 2003) (Third Revision) for Gasoline.

11. For the vehicles described in clauses (A), (B) and (C) of this sub-rule, deterioration factor shall be as given below:

Engine category	Deterioration factors				
	CO	HC	NOx	HC+ NOx	PM
Gasoline/Gas Engine	1.2	1.2	1.2	--	--
Diesel Engine	1.1	--	1.0	1.0	1.2

(i) Alternatively, the vehicle manufacturers may opt for an ageing test of 80,000 kms. for evaluating deterioration factor, as described in Annexure VII of European Economic Community Directive 70/220/EEC last amended by 98/69/EC with the following exceptions:--

(a) The maximum lap speed at 10th lap will be 72 km/h.

(b) The maximum lap speed at 11th lap will be 90 km/h.

(ii) The above ageing test should be carried out by the approved test agency.

12. For diesel vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flows as given in Annexure 1 of sub-rule (9) when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

13. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given below:

(i) For type approval: 5% at maximum power point and 10% at other measurement points for single cylinder engines 2% at maximum power point and + 6% and -2% at other measurement points for all other engines.

(ii) Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP- 115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

14. The vehicles described in clauses (A), (B) and (C) of this sub-rule should comply with rule 115(2).

(D) Diesel vehicles with GVW exceeding 3500 kg shall conform to the following norms:--

Limit Values for Type Approval (TA) as well as (COP)				
Engine Steady State Cycle (ESC) test				Engine Load Response (ELR) test
CO (g/kWh)	HC(g/kWh)	NOx (g/kWh)	PM (g/k Wh)(2)	Smoke (m-1)(2)
2.1	0.66	5.0	0.10/0.13(1)	0.8

(1) For engines having swept volume of less than 0.75 litre per cylinder and a rated power speed of more than 3000 rpm.

(2) For diesel engines only.

Notes.--

1. The test shall be on engine dynamometer.
2. There shall be no relaxation of norms for COP purposes.
3. The gaseous and particulate emissions are to be determined on the ESC test as described in EEC document 1999/96/EC.
4. The smoke opacity is to be determined on the ELR test as described in EEC document 1999/96/EC.
5. In case of vehicles operating on CNG or LPG mode all the provisions prescribed in rules 115B and 115C shall be respectively applicable, except that limiting value shall be as per clause (D) above.
6. The reference fuel shall be as specified in Annexure IVF, Annexure IVH and Annexure IV-I for diesel, LPG and CNG, respectively.
7. The Conformity of Production (COP) testing procedure shall be as described in section 9 of Annexure I of EEC Directive 88/77/EEC last amended by 1999/96/EC.
8. The COP frequency and samples--
 - (i) The COP period for each engine model including its variants shall be once in a year.
 - (ii) For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126A shall apply.
9. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to rule 115(9). These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.
10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS: 1460-2000 (Amendment No. I --January, 2003) (Fourth Revision) for Diesel and IS: 2796-2000 (Amendment No. II--February, 2003) (Third Revision) for Gasoline.
11. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given below:

(i) For type approval: 2% at maximum power point and + 6% and -2% at other measurement points.

(ii) For conformity of production: - 5%/ + 8% at maximum power point.

(iii) Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

12. The vehicles mentioned in clause (D) shall also comply with rule 115(2).

(E) Diesel vehicles with GVW exceeding 3500 kg and fitted with advanced exhaust after treatment system including De-NOx catalyst and/or particulate trap shall additionally conform to the following norms:--

Limit Values for Type Approval (TA) as well as (COP)			
Engine Transient Cycle (ETC)			
CO (g/kWh)	HC(g/kWh)	NOx (g/kWh)	PM (g/kWh)
5.45	0.78	5.0	0.16/0.21(3)

(3) For engines having swept volume of less than 0.75 litre per cylinder and rated power speed of more than 3000 rpm.

Notes.--

1. The test shall be on engine dynamometer.
2. There shall be no relaxation for COP purposes.
3. The gaseous and particulate emissions are to be determined on the ETC test as described in EEC document 1999/96/EC and comply with the norms given above.
4. In addition, the gaseous and particulate emissions are to be determined on the ESC test as described in EEC document 1999/96/EC and meet the prescribed gaseous and particulate emissions norms as given in clause (D).
5. In addition, the smoke opacity is to be determined on the ELR test as described in EEC document 1999/96/EC and meet the prescribed smoke density norms as given in clause (D).
6. The reference fuel shall be as specified in Annexure IVF.
7. The Conformity of Production (COP) testing procedure shall be as described in section 9 of Annexure I of EEC Directive 88/77/EEC last amended by 1999/96/EC.
8. The COP frequency and samples--
 - (i) The COP period for each engine model including its variants shall be once in a year.
 - (ii) For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126A shall apply.
9. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to rule 115 (9). These

smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS: 1460-2000 (Amendment No. I --January, 2003) (Fourth Revision) for Diesel.

11. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall meet the requirements as given below:

(i) For type approval: 2% at maximum power point and + 6% and -2% at other measurement points.

(ii) For conformity of production: -5%/+ 8% at maximum power point.

(iii) Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

12. The vehicles mentioned in clause (E) shall also comply with rule 115 (2).]

⁷¹[115A. ¹²⁹[Emission of smoke and vapour from agricultural tractors, power tillers and construction equipment vehicles driven by diesel engines.--]

(1) Every ⁹[agriculture tractor and construction equipment vehicles] manufactured on and from the date of commencement of this rule shall be maintained by its owner in such condition and shall be so used that visible and gaseous pollutants emitted by them comply with the standards as prescribed in this rule.

(2) Every manufacturer of an ⁹[agriculture tractor and construction equipment vehicles] shall comply with the standards for visible pollutants, emitted by it, when tested as per the procedure described in Indian Standards IS:12062:1987.

(3) The emission of the visible pollutants shall not exceed the limit values given below when tested on engine dynamometer at eighty per cent. load at six equally spaced speeds, namely:--

(a) Fifty-five per cent. of rated speed declared by the manufacturer or one thousand r.p.m. whichever is higher; or

(b) rated speed declared by the manufacturer.

Maximum Smoke Density

Light absorption coefficient (1m)	Hartridge units
3.25	75

(4) Every diesel driven ⁷²[construction equipment vehicles] shall be so manufactured and produced by its manufacturer that it complies with the following standards of gaseous pollutants, emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedures described in ISO 8178-4 'CI' 8 mode cycle, namely:--

The weighted average mass of carbon monoxide (CO), Hydrocarbons (HC) and mass oxides of Nitrogen (NOX) in gram ⁷³[per] kilo watt. hr. emitted during the test shall not exceed the limits given below, both for type approval and Conformity On Production tests, namely:--

Mass of Carbon Monoxide (CO)	-- 14.0 gram ⁷³ [per] kilo watt. hr.
Mass of Hydrocarbon (HC)	-- 3.5 gram ⁷³ [per] kilo watt. hr.
Mass of Oxides of Nitrogen (NOX)	-- 18.0 gram ⁷³ [per] kilo watt. hr.]

¹³⁰[(5) Every diesel driven agriculture tractor and power tiller shall be so manufactured and produced by the manufacturer that it complies with the following standards of gaseous pollutants emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedure prescribed in ISO 8178-4 'C1' 8 mode cycle, namely:-

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbon (HC) and oxides of nitrogen (NOx) and Particulate Matter (PM) in gram per kilo watt hour emitted during the test shall not exceed the limits given below in the Table for Type Approval (TA) and Conformity of Production (COP) tests, namely:-

TABLE

(1)	Bharat (Trem) Stage II norms	Bharat (Trem) Stage III norms
	(2)	(3)
	TA=COP	TA=COP
Mass of Carbon Monoxide (CO)	9.0	5.5
Mass of Hydro Carbons (HC)		
Mass of Oxides of Nitrogen (NOx)	15.0	9.5
Mass of Particulate Matter (PM)	1.0	0.8

Notes:-

(1) The norms mentioned in column (2) of the said Table which are applicable for agricultural tractor with effect from the 1st day of June, 2003, shall be applicable for power tillers from the 1st day of October, 2006.

(2) The norms mentioned in column (3) of the said Table shall be applicable for agricultural tractor with effect from the 1st day of October, 2005 and for power tillers from the 1st day of April, 2008.]

¹⁴⁷[(6) Every diesel driven construction equipment vehicle shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them in addition to those of visible pollutants as provided in sub-rule (2), when tested as per the procedure described in ISO 8178 Part-4(1996) 'C1' 8 mode cycle for variable speed engines and ISO 8178 Part-4(1996) 'D2' 5 mode cycle for constant speed engines, namely:-

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbon (HC) and Oxides of Nitrogen (NO_x), and Particulate Matters (PM) in grams per kilo Watt hour emitted during the test shall not exceed the limits given below in the TABLE for Type Approval (TA) and conformity of Production (COP) tests, namely:

TABLE

Limit Values for Type Approval (TA) as well as for Conformity of Production (COP)

Bharat Stage II (CEV)	Applicable with effect from the	CO	HC	NO_x	PM
Category		g/kWh			
kW<8	1st October, 2008	8.00	1.30	9.20	1.0.
8< kW< 19	1st October, 2008	6.60	1.30	9.20	0.85
19 <kW<37	1st October, 2007	6.50	1.30	9.20	0.85
37 < kW<75	1st October, 2007	6.50	1.30	9.20	0.85
75 < kW<130	1st October, 2007	5.0	1.30	9.20	0.70
130 < kW < 560	1st October, 2007	5.0	1.30	9.20	0.54

Bharat Stage III (CEV)	Applicable with effect from the	CO	HC + NO_x	PM
Category			g/kWh'	
kW<8	1st April, 2011	8.00	7.50	0.80
8 < kW < 19	1st April, 2011	6.60	7.50	0.80

19 < kW < 37	1st April, 2011	5.50	7.50	0.60
37 < kW < 75	1st April, 2011	5.0	4.70	0.40
75 < kW < 130	1st April, 2011	5.0	4.00	0.30
130 < kW < 560	1st April, 2011	3.50	4.00	0.20

Notes:

1. The test shall be on Engine Dynamometer.
2. The Test-Procedure for measurement of Gross Power -(without Fan) shall be as per Part IV of MoSRTH/CMVR/TAP-115/116 Issue No. 3.
3. The Test-Procedure for measurement of emission of visible and gaseous pollutants and Particulate Matter shall be as per MoSRTH/CMVR/TAP-115/116 Part X (Sub-part B).
4. The emission of visible pollutants shall not exceed the limit values given in sub-rule (3) of rule 115A when tested on engine dynamometer at eighty per cent load at six speeds as per sub-rule (3) of rule 115A.
5. To meet Bharat Stage III (CEV) norms with effect from 1st April, 2011, Engine manufacturer may opt for an engine test as mentioned in Table 1 below for evaluating deterioration factors as per Annexure V of Part X, Sub-part-B of MoSRTH/CMVR/TAP-115/116 Issue No. 3

TABLE 1

Category (power band)	Useful life (hours)
	(Emission Durability Period)
<19kW	3000
19<kW< =37 (constant speed)	3000
19<kW< =37 (variable speed)	5000
> 37 kW	8000

OR

Fixed Deterioration factors shall be used as per table 2 below.

TABLE 2

CO	HC	NO _x	PM
1.1	1.05	1.05	1.1

6. There shall be no relaxation of norms for COP purposes.

7. COP Selection Procedure shall be as per MoSRTTH/CMVR/TAP-115/116 Part VI.

8. COP Frequency:-

(a) for equipment with annual production upto 200 Nos. shall be once in two years per Engine Family;

(b) for equipment with annual production exceeding 200 Nos. shall be once in every year per Engine Family.]

⁷⁶[115B. Mass emission standards for Compressed Natural Gas driven vehicles.--

⁷⁷[Mass emission standards for vehicles when operating on Compressed Natural Gas (hereinafter in this rule referred to as "CNG") shall be the same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Non-Methane Hydrocarbon (NMHC), where NMHC = 0.3 x HC.]

A. Original Equipment/Converted Gasoline Vehicles

(I) For Gasoline Vehicles with Original Equipment (hereinafter in this rule referred to as O.E.) Fitment

¹³¹[(a) In case of CNG fitments by vehicle manufacturers on new petrol vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;]

(b) Base model and variants of such vehicle shall conform to these rules as applicable and type approval emission norms in petrol mode as specified in these rules. In the case of CNG mode, it shall meet mass emission norms as specified in rule 115, excluding crankcase and evaporative emission norms;

(c) A vehicle base model and its variants fitted with petrol tank of capacity not exceeding, 5 litres, 3 litres and 2 litres on 4-wheeler, 3-wheeler and 2-wheeler respectively, shall be exempted from mass emission tests, crank case emission test, idle CO test and evaporative emission test in gasoline mode but shall comply with other provisions of these rules as applicable;

- (d) Such vehicle shall be capable of bi-fuel operation such as CNG and petrol;
- (e) Prevalent Conformity of Production (hereinafter in this rule referred to as COP) procedure shall, also be applicable.

(II) For in-use Gasoline Vehicles

(a) The in-use vehicles fitted with CNG kits shall meet the type approval emission norms on CNG operation, as specified in these rules for gasoline vehicles as applicable to the corresponding year of manufacture of such vehicles, subject to minimum norms as under:

(i) for the vehicles manufactured upto 31st March, 2000, the type approval norms equivalent to India-2000 (India Stage-I) norms as applicable under these rules; and

(ii) for the vehicles manufactured after 1st April, 2000, the type approval norms as specified in the Bharat Stage-II norms, till the validity of such Bharat Stage-II norms.

¹¹⁶[(iii) for the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage-III emission norms in case of four wheelers and Bharat Stage-II emission norms for two and three wheelers.]

(b) For purposes of CNG kit approval, kit manufacturer or supplier shall obtain the certificate from any of the test agencies authorised under rule 126 based on engine capacity of vehicle, in the following manner, namely:--

(i) CNG kit for the vehicle shall be type approved for vehicles irrespective of make and model. Such a kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity of c.c. within a range of 25% tolerance;

(ii) Separate type approval shall be necessary for the following types of vehicles, namely:--

(a) Two stroke;

(b) Four stroke;

(c) Carbureted;

(d) Single point fuel injected; and

(e) Multi point fuel injected.

Explanations.--In the case of O.E. or conversion of "In-Use" Gasoline Vehicles,--

(a) For the purposes of granting Type Approval to a CNG kit, the tests shall be carried out as per the Table below by the test agencies:

TABLE

Test	Reference Document
(1)	(2)
(i) Mass emission tests	MOST/CMVR/TAP-115/116 and notifications issued by the Government of India in this respect.
(ii) Engine performance tests on engine dynamometer applicable for OE only	IS: 14599-1999
(iii) Constant speed fuel consumption test	IS: 11921, 1986 (for 4 wheelers) IS: 10944, 1983 (for mopeds) IS: 10881, 1984 (for motorcycles and scooters)

(b) The test procedure and safety guidelines for CNG vehicles, kit components including installation thereof, shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified;

(c) For OE fitment and retrofitment on "in-use" vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier respectively;

(d) The Type Approval of CNG kit for 'retrofitment' shall be valid for three years from the date of issue of such approval and shall be renewable for three years at a time;

(e) The retrofitment of CNG kits on in-use vehicles shall be carried out by workshops authorised by the kit manufacturer/supplier or vehicle manufacturers, as the case may be;

(f) The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits;

(g) The kit manufacturer/supplier shall provide a layout plan for retrofitment of CNG kit in the respective models on which any approved kit is to be installed, to the test agency for vetting and approval. The retrofitment of the kit shall be on the basis of such approved layout plan only. Testing agencies will be required to indicate specifically, the models and their variants on which the certificate will be valid.

⁷⁸[***]

B. O.E. CNG Vehicles/Converted Diesel Vehicle

(I) For O.E. CNG Dedicated Vehicle (including drive-away chassis) made by Vehicle Manufacturers

¹³²[(a) In case of CNG fitments by vehicle manufacturers on new diesel vehicles, each mode! manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;]

- (b) O.E. CNG engine approved for specific engine capacity can be installed on the base model and its variants complying with the requirements under these rules as applicable;
- (c) Tests for particulate matter and emission of visible pollutants (smoke) under these rules shall not be applicable;
- (d) Prevailing COP procedure will also be applicable.

(II) For conversion by modification of engines of In-use Diesel Vehicles:

(a) Type approval for diesel vehicle retrofitted/modified for dedicated CNG operation shall be given for specific make and model of the vehicle, in view of major changes or modifications involved in the CNG kit and diesel engine depending upon make and model of the vehicle;

(b) CNG kit approved on the vehicle for specific engine capacity can be installed on the base model and its variants fitted with the same capacity engine;

¹³³[(c) The in-use vehicles when converted to operate on CNG shall meet the type approval norms of diesel vehicles corresponding to the year of their manufacture subject to the following minimum norms:-

(i) for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2.000(India Stage-I) norms as applicable under these rules;

(ii) for the vehicles manufactured on and after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage-II norms, till the validity of such Bharat Stage-II norms;

(iii) for the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage-III emission norms in case of four wheelers and Bharat Stage-II emission norms for two and three wheelers till the validity of these norms;]

(d) Vehicles offered for Type Approval to the testing agency referred in rule 126 of Central Motor Vehicles Rules, 1989 shall have to comply with fitness requirement, as applicable under these rules;

(e) Tests for particulate matter and emission of visible pollutants (smoke) under these rules shall not be applicable;

(f) Separate Type Approval is required for mechanically controlled and electronically controlled diesel fuel injected vehicles when retrofitted/ modified for CNG operation.

Explanations.--In the case of O.E. or conversion of "In-Use" vehicles by modification--

(a) for the purpose of granting Type Approval to the vehicle fitted with CNG engine (converted from diesel engine) as O.E., or conversion by modification of "In-Use" diesel vehicles, performance tests shall be carried out as per the Table given below by the test agencies, namely:--

TABLE

Test	Reference Document (as amended from time to time)
(1)	(2)
(i) Mass emission tests	MOST/CMVR/TAP-115/116 and notifications issued by the Government of India in this respect.
(ii) Engine performance tests	IS: 14599-1999
(iii) Gradeability	In accordance with notification issued under rule 124 of Central Motor Vehicle Rules, 1989.
(iv) Constant speed fuel consumption test	IS: 11921, 1986 (for 4 wheelers) IS: 10944, 1983 (for mopeds) IS: 10881, 1984 (for motorcycles and scooters)
(v) Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule 124 of Central Motor Vehicle Rules, 1989.
(vi) Range Test of at least 250 km for buses	--
(vii) Cooling Performance	IS: 14557, 1998

Note.--(a) The mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable.

(b) Test procedure and safety guidelines for CNG vehicles, kit components including installation thereof, shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified;

(c) For O.E. fitment and retrofitment/modification on "In-Use" vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier respectively;

(d) The Type Approval of CNG kit for retrofitment shall be valid for 3 years from the date of issue and shall be renewable for three years at a time;

(e) The retrofitment of CNG kits on in-use vehicles shall be carried out by workshops authorised by the kit manufacturer/supplier or vehicle manufacturers, as the case may be;

(f) The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits.

⁷⁹[***]

¹³⁴[C. Replacement of In-Use Diesel Engine by New CNG Engine

For Type Approval of in-use vehicle having diesel engine replaced by new Compressed Natural Gas engine, it shall meet prevailing emission norms as applicable to the category of vehicles in respect of its place of use subject: to tests mentioned in the Table given below.]

TABLE

Test	Reference Document
(1)	(2)
(i) Mass emission tests	MOST/CMVR/TAP-115/116 notification issued by the Government of India in this respect.
(ii) Engine performance tests	IS: 14599-1999
(iii) Gradeability test	In accordance with notification issued under rule 124 of Central Motor Vehicle Rules, 1989.
(iv) Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule 124 of Central Motor Vehicle Rules, 1989.
(v) Range test of at least 250 km for buses	--
(vi) Cooling Performance	IS: 14557, 1998
(vii) Constant Speed Fuel Consumption	IS: 11921, 1986 (for 4 wheelers) IS: 10944, 1983 (for mopeds) IS: 10881, 1984 (for motorcycles and scooters)

Explanation.--

(a) Vehicles offered for Type Approval to the testing agency referred in rule 126 shall have to comply with fitness requirement, as applicable under these rules;

(b) Test procedure and safety guidelines for such CNG vehicles, kit components including installation thereof, shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified;

(c) The test agency shall complete the test and give necessary certificate within three months of the same being submitted for tests;

(d) Testing agencies will be required to indicate specifically, the models and their variants on which the replacement of new engine will be valid.

D. Applicable Emission Norms

Category of Engines		Applicable Emission Norms
(i)	Fitted in vehicles with GVW equal to or less than 3.5 ton	For gasoline vehicles converted to CNG, prevailing gasoline engine norms for chassis dynamometer test For diesel vehicles converted to CNG, prevailing diesel engine norms for chassis dynamometer test
(ii)	Fitted in vehicles with GVW greater than 3.5 ton	Prevailing diesel engine emission norms based on 13-mode steady-state engine dynamometer test.

E. CNG vehicles/kit components including installation shall comply the Safety Checks as given in Annexure IX.

F. Testing agencies shall issue every Type Approval certificate containing the "Safety and Procedural Requirements for Type Approval of CNG and LPG Operated Vehicles" for CNG vehicles and conversion kits, as mentioned in Annexure X.

Note.--For the purpose of these rules, "O.E. fitment" means the vehicles which are manufactured for CNG operation by the vehicle manufacturer prior to their first registration.

2. "Conversion of In-use Gasoline Vehicle" means a vehicle already registered as a gasoline vehicle and is subsequently converted for operation on CNG by fitting the conversion kit and carrying out the other necessary changes.

3. "O.E. CNG Dedicated Vehicles" mean the vehicles which are manufactured for CNG operation by the vehicle manufacturer prior to their first registration.

4. "Converted diesel vehicle" means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on CNG by modifying the diesel engine fitted on that vehicle by fitting the conversion kit and carrying out the other necessary changes.

5. "Retrofitment" (or replacement) of diesel vehicle means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on CNG fitting a new engine adapted to operate on CNG.

6. The AIS or IS specifications may be amended from time to time.

¹³⁵[7. In case of conversion kits on in-use gasoline vehicles or converted diesel vehicles, the validity of the type approval certificate issued by the testing agencies shall cover vehicles manufactured between the year of manufacture of the vehicle, on which such kit has been tested and date of the validity of the applicable norms prescribed for such category of vehicles as per clause (a) of item (II) of part A of rule 115B. Testing agencies shall be required to indicate specifically the model and their variants for diesel vehicles and capacity range of gasoline vehicles on which the certificate shall be valid for conversion.]

⁸¹**[115C. Mass emission standards for Liquefied Petroleum Gas (hereinafter in this rule referred to as LPG) driven vehicles.--**

⁸²[Mass emission standards for vehicles when operating on Liquefied Petroleum Gas (hereinafter in this rule referred to as "LPG") shall be same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Reactive Hydrocarbon (RHC), where $RHC = 0.5 \times HC$.]

(2) For Gasoline Vehicles with Original Equipment (hereinafter in this rule referred to as O.E.) Fitment,--

(a) in case of LPG fitment done by vehicle manufacturers on new petrol vehicles, each model made by vehicle manufacturer shall be as type approved as per prevailing type approval emission norm and these rules as applicable;

(b) base model and variants of such vehicle shall conform to these rules as applicable and type approval emission norms in petrol mode as specified in these Rules. In the case of LPG mode, it shall meet mass emission norms as specified in rule 115 only excluding crankcase and evaporative emission norms;

(c) a vehicle base model and its variants fitted with petrol tank of capacity not exceeding 5 litres, 3 litres and 2 litres on 4-wheeler, 3-wheeler and 2-wheeler respectively, shall be exempted from mass emission tests, crank case emission test and evaporative emission test in petrol mode as specified in these rules, but shall comply with other provisions of these rules as applicable.

(d) such vehicle shall be capable of bi-fuel operation such as LPG and petrol;

(e) prevalent conformity of Production (hereinafter in this rule referred to as the COP) procedure shall also be applicable.

(3) For in-use gasoline vehicles,--

¹³⁶[(a) On and after expiry of one year from the date of publication of the Central Motor Vehicles (Fifth Amendment) Rules, 2005 in the Official Gazette, the in-use vehicles fitted with LPG kits shall meet the type approval emission norms specified in these rules for gasoline vehicles as applicable to the corresponding year of manufacture of such vehicle, subject to the following minimum norms:

(i) for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2000(India Stage-I) norms as applicable under these rules;

(ii) for the vehicles manufactured after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage II norms, till the validity of such Bharat Stage-II norms;

(iii) for the vehicles manufactured after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage-III emission norms in case of four wheelers and Bharat Stage-II emission norms for two and three wheelers:

Provided that in respect of vehicle model/conversion kits/engine replacements type approved and certified under rule 115C prior to commencement of these rules (as per notification number G.S.R. 284(E) dated the 24th April, 2001), such certificates shall cease to be valid after one year from the date of publication of the Central Motor Vehicles (Fifth Amendment) Rules, 2005, in the Official Gazette notwithstanding the period of validity specified in such certificates. Such certificates need to be revalidated by testing agencies in terms of these rules.

Provided further that respective kit manufacturer / retrofitter / converters shall be free to obtain from testing agencies type approval in terms of new rules even prior to commencement of these rules.]

(b) for purposes of LPG kit approval, kit manufacturer or supplier shall obtain the certificate from any of the test agencies authorised under rule 126 based on capacity of vehicle, in the following manner, namely:--(i) LPG kit for the vehicles shall be type approved for vehicles irrespective of make and model based on engine capacity in cubic

cm. Such a kit shall be considered fit for retrofitment in any vehicle having engine capacity within a range of 25% tolerance; (ii) for carbureted and Multi-point fuel injection fitted vehicles, separate type approval shall be necessary.

- (4) (a) For the purpose of granting type approval to LPG kit the following performance tests shall be carried out by the test agencies:--(i) Mass emission tests (ii) Engine performance tests (iii) Constant speed fuel consumption test.

(b) The tests specified under sub-clause (ii) of clause (a) shall be carried out either on engine dynamometer or chassis dynamometer as applicable under these rules. However, in case of vehicle above 100 HP the tests shall be only on engine dynamometer.

(c) The safety checks for such kit components including installation shall be as per the norms and standards given in the Annexure VIII, apart from detailed test procedure or safety guidelines contained in AIS 025 D1, as approved by the Central Government from time to time.

(d) For OE fitment and retrofitment on "In-Use" vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier respectively.

(e) The Type Approval of LPG kit for retrofitment shall be valid for three years from the date of issue of such approval and shall be renewable for three years at a time.

(f) The retrofitment of LPG kits on in-use vehicles, shall be carried out by workshops authorised by the kit manufacturer/kit supplier or vehicle manufacturers, as the case may be.

(g) The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits.

(h) The kit supplier/manufacturer shall provide a layout plan for retrofitment of LPG kit in the respective models on which any approved kit is to be installed, to the test agency for vetting and approval. The retrofitment of the kit shall be on the basis of such approved layout plan only.

- (5) ¹³⁷[***]

⁸³[(6) For Diesel Vehicles with Original Equipment Fitment.--

¹³⁸[(i) in case of LPG fitments by vehicles manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;"]

(ii) O.E. fitment LPG engine approved for specific appropriate engine capacity can be installed on the vehicle base model and its variants complying with the other requirements under these rules as applicable;

(iii) Tests for particulate matter and emission of visible pollutants (smoke) under these rules shall not be applicable;

(iv) Prevailing COP procedures shall also be applicable; and

(v) In case of limits for Hydrocarbons, the mass emission standards formula as specified in sub-rule (1) shall be applicable.

Explanation.--In the case of O.E. fitment vehicles--

(a) For the purpose of granting Type Approval to the vehicle manufactured by O.E., in addition to the tests as specified in Central Motor Vehicles Rules, 1989, following performance tests shall be carried out, as per the Table given below by the test agency, namely:--

TABLE

Sl. No.	Test	Reference Document (as amended from time to time)
(1)	(2)	(3)
1.	Mass emission tests	MOST/CMVR/TAP-115/116 and notification issued by the Government of India in this respect
2.	Engine performance tests	IS: 14599-1999
3.	Gradeability test	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
4.	Constant speed fuel consumption test	IS: 11921-1986 (for four-wheelers) IS: 10944-1983 (for mopeds) IS: 10881-1984 (for motorcycles and Scooters) AIS 054 (for three-wheelers)
5.	Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
6.	Range test of at least 250 km for buses. For other vehicle categories range test to be carried out and test results to be reported.	AIS 505
7.	Cooling performance	IS: 14557-1998

Note.--The mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable;

(b) Test procedure and safety guidelines for LPG vehicles, kit components including installation thereof, shall be as per AIS 025, AIS 026, AIS 027 as amended from time to time, till such time as corresponding BIS specifications are notified and shall be given in

Annexure VIII in addition to the detailed procedure of Safety Checks contained in AIS 025, AIS 026, AIS 027;

(c) For O.E. fitment manufactured vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer;

(d) The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits.

¹³⁹[(7) Replacement of In-use Diesel Engine by new LPG Engine.-For type approval of in-use vehicle having diesel engine replaced by new Liquefied Petroleum Gas engine it shall meet the prevailing emission norms as applicable to the category of vehicles in respect of its place of use subject to the tests mentioned in the Table given below.]

TABLE

Sl. No.	Test	Reference Document (as amended from time to time)
(1)	(2)	(3)
1.	Mass emission tests	MOST/CMVR/TAP-115/116 and notification issued by the Government of India in this respect
2.	Engine performance tests	IS: 14599-1999
3.	Gradeability test	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
4.	Constant speed fuel consumption test	IS: 11921-1986 (for four-wheelers) IS: 10944-1983 (for mopeds) IS: 10881-1984 (for motorcycles and scooters) AIS 054 (for three-wheelers)
5.	Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
6.	Range test of at least 250 km for buses. For other vehicle categories range test to be carried out and test results to be reported.	AIS 505
7.	Cooling performance	IS: 14557-1998

Explanation.--(a) In case of In-use vehicles offered for Type Approval to the test agency referred to in rule 126, it shall have to comply with fitness requirement, as applicable under these rules and the said test agency may, if it thinks so, verify the same.

(b) In case of non-transport vehicles offered for retrofitment as per the tests mentioned in the Table, it shall be the responsibility of the retrofitter to make necessary inspection/checks regarding fitness of the such vehicles as applicable under these rules: In the case to retrofitment of in-use transport vehicles offered for the tests mentioned in the Table, the certificate of fitness granted under section 56 of the Act, shall be essential before the vehicle is accepted for retrofitment/ conversion.

(c) Test procedure and safety guidelines for such LPG vehicles, kit components including installation thereof shall be as per AIS 025, as amended from time to time, till such time as corresponding BIS specifications are notified and shall be as given in Annexure VIII in addition to the detailed procedure or Safety Checks obtained in AIS 025;

(d) The test agency shall complete the test and give necessary certificate within a period of three months from the date of the vehicle being submitted for tests; and

(e) The test agency shall be required to indicate specifically, the models and their variants on which the replacement of new engine shall be valid.

(8) Applicable Emission Norms.--The emission norms as mentioned in column (3) of the Table below excluding particulate matter shall be applicable to the corresponding categories of engines as mentioned against them in column (2) of the said Table.

TABLE

Sl. No.	Category of Engines	Applicable Emission Norms
(1)	(2)	(3)
1.	Fitted in vehicles with GVW equal to or less than 3.5 ton	For gasoline vehicles converted to LPG, prevailing gasoline engine norms for chassis dynamometer test For diesel vehicles converted to LPG, prevailing diesel engine norms for chassis dynamometer test
2.	Fitted in vehicles with GVW greater than 3.5 ton	Prevailing diesel engine emission norms based on 13-mode steady-state engine dynamometer test

(9) LPG vehicle/kit components including installation shall comply with the Safety Checks as given in Annexure VIII.

(10) The test agency shall, in addition to the Type Approval certificate, issue Safety and Procedural Requirements for Type Approval certificate containing the Safety and Procedural Requirements for Type Approval of CNG and LPG Operated Vehicles, for LPG vehicles and conversion kits, as mentioned in Annexure X.

Notes.--For the purposes of these rules,--

(1) "O.E. fitment" means the vehicles engines which are manufactured for LPG operation by the vehicle manufacturer prior to their first registration;

(2) Conversion of "In-use gasoline vehicle" means a vehicle already registered as a gasoline vehicle and subsequently converted for operation on LPG by fitting the conversion kit and carrying out the other necessary changes;

(3) "O.E. fitment LPG dedicated vehicle" means a vehicle which is manufactured for LPG operation by the vehicle manufacturer prior to their first registration;

(4) "Type approval of In-use vehicle having diesel engine replaced by new LPG engine" means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on LPG by fitting a new engine adapted for operation on LPG;

(5) The AIS or IS specifications may be as amended and notified from time to time.]

¹¹⁶[(6) In case of conversion kits on in-use gasoline vehicles or replacement of in-use diesel engines by new LPG engines, the validity of the type approval certificates issued by the testing agencies shall cover vehicles manufactured between the year of manufacture of the vehicle, on which such kit had been tested and the date of validity of the norms prescribed for such category of vehicles as per clause (a) of sub-rule (3) rule 115C. Testing agencies shall be required to indicate specifically, the model and their variants for diesel vehicles and capacity range of gasoline vehicles on which the certificate shall be valid for conversion.]

⁸[116. Test for smoke emission level and Carbon Monoxide level for vehicles.--

(1) Notwithstanding anything contained in sub-rule (7) of rule 115 any officer not below the rank of Sub-Inspector of Police or the Inspector of Motor Vehicles who has reason to believe that a motor vehicle is not complying with the provisions of sub-rule (2) or sub-rule (7) of rule 115, may in writing direct the driver or any person incharge of the vehicle to submit the vehicle for conducting the test to measure the standards of emission in any one of the authorised testing stations, and produce the certificate to an authority at the address mentioned in the written direction within 7 days from the date of conducting the check.

(2) The driver or any person in-charge of the vehicle shall upon such direction by the officer referred to in sub-rule (1) submit the vehicle for testing for compliance of the provisions of ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115], at any authorised testing stations.

(3) The measurement for compliance of the provisions of ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115] shall be done with a meter of the type approved by any agency referred to in rule 126 of the principal rules or by the National Environmental Engineering Research Institute, Nagpur-440 001:

¹⁴⁸[Provided that such a testing agency shall follow MoSRTTH/CMVR/TAP-115/116 for approval of measuring metres.]

(4) If the result of the tests indicate that the motor vehicle complies with the provisions of ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115], the driver or any person incharge of the vehicle shall produce the certificate to the authority specified in sub-rule (1) within the stipulated time-limit.

(5) If the test results indicate that the motor vehicle does not comply with the provisions of the ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115], the driver or any person in charge of the vehicle shall rectify the defects so as to comply with the provisions of the ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115] within a period of seven days and submit the vehicle to any authorised testing station for re-check and produce the certificate so obtained from the authorised testing station to the authority referred to in sub-rule (1).

(6) If the certificate referred to in sub-rule (1) is not produced within the stipulated period of seven days or if the vehicle fails to comply with the provisions of ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115] within a period of seven days, the owner of the vehicle shall be liable for the penalty prescribed under sub-section (2) of section 190 of the Act.

(7) If the driver or any person in charge of the vehicle referred to in sub-rule (1) does not produce the said certificate within the said period of seven days, such vehicle shall be deemed to have contravened the provisions of the sub-rule (2) of rule 115 and the checking officer shall report the matter to the registering authority.

(8) The registering authority shall on receipt of the report referred to in sub-rule (7), for reasons to be recorded in writing, suspend the certificate of registration of the vehicle until such time the certificate is produced before the registering authority to the effect that the vehicle complies with the provisions of ⁸⁴[sub-rule (2) and sub-rule (7) of rule 115].

(9) On such suspension of the certificate of registration of the vehicle, any permit granted in respect of the vehicle under Chapter V or under Chapter VI of the Motor Vehicles Act 1988 (59 of 1988) shall be deemed to have been suspended until a fresh "Pollution under control" certificate is obtained.]

Speed governors

117. Speedometer.--

(1) ⁹[Every motor vehicle (including construction equipment vehicles), other than an invalid carriage] or a vehicle, the designed speed of which does not exceed thirty kilometres per hour, shall be fitted with an instrument (hereinafter referred to as "speedometer") so constructed and fixed in such a position as to indicate to the driver of the vehicle the speed at which the vehicle is travelling:

⁸[Provided that every agricultural tractor shall be fitted with an Engine RPM-cum-Hour Meter:]

²[Provided further that requirement of provision of speedometer is exempted for construction equipment vehicle in which the driver's cabin rotates about a vertical axis.]

³⁹[(2) On an expiry of one year and three months from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle manufactured shall be fitted with a speedometer conforming to the requirements of IS: 11827-1995 specified by the Bureau of Indian Standards.]

²[(3) On and after the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000 every construction equipment vehicle manufactured shall be fitted with a speedometer that

shall conform to the requirements of IS: 11827 specified by the Bureau of Indian Standards concerning the speedometer.]

118. Speed governor.--

(1) On and from the commencement of this rule¹¹⁸, such transport vehicles as may be notified by³¹[the State Governments] in the Official Gazette shall be fitted by the operator of such transport vehicle with a speed governor (speed controlling device)⁸⁷ ⁸⁶[conforming to the Standard AIS:018, as amended from time to time,] in such a manner that the speed governor can be sealed with an official seal of the State Transport Authority or a Regional Transport Authority in such a way that it cannot be removed or tampered with or without the seal being broken.

(2) The speed governor of every transport vehicle shall be so set that the vehicle is incapable of being driven at a speed in excess of the maximum pre-set speed of the vehicle except down an incline.

Reduction of noise

119. Horns.--

(1) ¹⁹[On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, ¹⁴⁰[every motor vehicle, agricultural tractor, power tiller and construction equipment vehicle] manufactured shall be fitted with an electric horn or other devices conforming to the requirements of IS: 1884-1992, specified by the Bureau of Indian Standards] for use by the driver of the vehicle and capable of giving audible and sufficient warning of the approach or position of the vehicle:

²⁵[Provided that on and from 1st January, 2003, the ¹⁴¹[horn installation requirements for motor vehicle] shall be as per ⁸⁹[AIS-014] specifications, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified.]

(2) No ⁹⁰[motor vehicle including agricultural tractor] shall be fitted with any multi-toned horn giving a succession of different notes or with any other sound-producing device giving an unduly harsh, shrill, loud or alarming noise.

(3) Nothing contained in sub-rule (2) shall prevent the use on vehicles used as ambulance or for fire fighting or salvage purposes or on vehicles ⁶[used by police officers or operators of construction equipment vehicles] or officers of the Motor Vehicles Department] ⁹[in the course of their duties or on construction equipment vehicles] of such sound signals as may be approved by the registering authority in whose jurisdiction such vehicles are kept.

120. Silencers.--

(1) ⁹¹[Every motor vehicle including agricultural tractor] shall be fitted with a device (hereinafter referred to as a silencer) which by means of an expansion chamber or otherwise reduces as far as practicable, the noise that would otherwise be made by the escape of exhaust gases from the engine.

⁹²[(2) Noise standards--Every motor vehicle shall be constructed and maintained so as to conform to noise standards specified in Part E of the Schedule VI to the Environment (Protection) Rules, 1986, when tested as per IS: 3028-1998, as amended from time to time.]

¹¹⁶[Provided that on and from the 1st day of April, 2006, where different noise levels are prescribed for vehicles, the lowest limits prescribed for vehicles of such category, shall apply to Battery Operated Vehicles.]

¹³[(3) In the case of agriculture tractor, the passby noise test and the noise level test at the operator's ear level shall be carried out as per IS: 12180-2000, as amended from time to time and shall conform to the levels as indicated in the Table below:--

TABLE

Sl. No.	Date of Impemenation	Bystander's Position	Operator's Ear level
(1)	Six months from the date of notification	90 dB (A)	100 dB (A)
(2)	Two and a half years from the date of notification]	88 dB (A)	98 dB (A)

¹¹⁶[(4) In the case of Power tiller with a riding attachment or Power tiller coupled to trailer, the noise level when tested as per IS:12180: 2000, as amended from time to time, shall not exceed 88 dB (A) at the bystander position and 98 dB (A) at the operator's ear level.]

121. Painting of motor vehicles.--

(1) ⁹[No motor vehicle including ³⁶[agricultural tractor and construction equipment vehicle]] shall be painted in olive green colour except those belonging to the Defence Department.

(2) No contract carriage other than a tourist vehicle covered by permit under sub-section (9) of section 88 shall be painted in the manner specified in sub-rule (11) of rule 128.

(3) No goods carriage other than a goods carriage covered by national permit shall be painted in the manner specified in sub-rule (1) of rule 90.

Chassis number and engine number

⁸[122. ¹⁴²[Embossment of the Chassis number and Engine number or in the case of Battery Operated Vehicles, motor number and month of manufacture.-]

(1) On and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, ⁸³[every motor vehicle including agricultural tractor and construction equipment vehicle other than trailers and semi-trailers] shall bear the identification number including month and year of manufacture, embossed or etched or punched on it:

Provided that in such vehicles where space is insufficient for etching, embossing or punching the ¹⁴³[engine number/motor number, chassis number and month of manufacture], the etching, embossing or punching of year and month of manufacture shall be on an identification plate welded or riveted to the body of the vehicle.

²[(1A) On and from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000 every construction equipment vehicle shall bear the identification number including month and year of manufacture, embossed or etched or punched on it:

Provided that in a construction equipment vehicles where the space is insufficient for etching, embossing or punching the engine number, the chassis number and month of manufacture, the etching, embossing or punching of year and month of manufacture shall be on an identification plate welded or rivetted to the body of the vehicle.]

⁴[(2) The vehicle manufacturer shall intimate to the certifying testing agency regarding the place where the numbers shall be embossed or etched or punched including code for the year and month of production in respect of each model and such testing agency shall include these details in the certificate of compliance granted by that agency under rule 126. No manufacturer shall change the place of embossing, etching or punching and the code for the month and year of production without prior intimation by registered post to the testing agency which granted the certificate of compliance to these rules:

Provided that in no case the height of the chassis number embossed, etched or punched shall be less than five millimetres for vehicles having overall length less than six metres and less than seven millimetres for the vehicle having overall length more than six metres.]

SAFETY DEVICES

Safety devices for drivers, passengers and road users

123. Safety devices in motor cycle.--

No motor cycle ¹[which has provision for pillion rider] shall be constructed without provision for a permanent hand grip on the side or behind the driver's seat and a foot rest and a protective device covering not less than half of the rear wheel so as to prevent the clothes of the person sitting on the pillion from being entangled in the wheel:

²⁵[Provided that on and from 1st January, 2003, the pillion hand holds shall be governed by IS:14495-1998 specifications, as may be amended from time to time.]

⁸[124. Safety standards of components.--

⁶[(1) The Central Government may, from time to time, specify, by notification in the Official Gazette, the standards or the relevant standards specified by the Bureau of Indian Standards of any part, component or assembly to be used in the manufacture of a vehicle including construction equipment vehicle and the date from which such parts, components or assemblies are to be used in the manufacture of such vehicle and on publication of such notification every manufacturer shall use only such of these parts, components or assemblies in the manufacture of such vehicle:]

⁹⁴[Provided that any notification issued under this sub-rule before the commencement of the Central Motor Vehicles (6th Amendment) Rules, 2001, shall not be applicable after such commencement upto and including ⁹⁵[26th August, 2002] in respect of any construction equipment.]

²⁵[(1A) ³²[On and from 1st May, 2003], the general requirements of vehicle rear under run protecting device and the technical requirements of vehicle lateral protection side shall be as per IS:14812-2000 specifications and as per IS:14682-1999, respectively, as may be amended from time to time.]

¹¹⁶[Provided that the vehicle manufacturers shall ensure the fitment of the rear under run protective device in vehicles of categories N2, N3 and their trailers except special purpose vehicles namely tractors and tippers at their end and lateral under run protective device either at their factory or at their dealer's end. Vehicle not fitted with such devices shall not be registered under these rules. They shall also ensure to supply necessary kits if the fitment is not done by them in the case of lateral under-run protective device.

Provided further that the rear under run protective device shall also be painted with yellow and white zebra stripes on the entire rear face of the device.]

³[(2) Every manufacturer shall get the prototype of the part, component or sub-assembly for which standards have been notified, approved from any agency as referred to in rule 126 or Central Institute of Road Transport, Pune, or in case of compliance with notified Indian Standards from any laboratory duly authorised by the Bureau of Indian Standards. On the basis of such approval, every manufacturer shall also certify compliance with provisions of this rule in Form 22.]]

⁹⁶[(3) The Central Government may, by notification in the Official Gazette, frame a scheme for marking to be affixed on any part or component or assembly to be used in the manufacture of the vehicle and specify the date from which such parts, components or assemblies are to be used in the manufacture of the vehicle.]

¹³[124A. Safety standards of components for agricultural tractors.--

(1) The bulbs of the ⁹⁷[following lamps used] on agricultural tractors shall conform to IS: 1606-1979, as amended from time to time.

(a) Head light main and dip; (b) Parking light; (c) Direction indicator lamp; (d) Tail lamp; (e) Reversing lamp; (f) Stop lamp; (g) Rear Registration mark indicating lamp; and (h) Top light.

(2) The lighting and light signalling devices for agricultural tractor shall be in accordance with AIS: 030, as amended from time to time, till such time the corresponding BIS standard is notified:

Provided that the performance requirements of the lighting, light signalling and indicating systems of agricultural tractor manufactured on and from ⁹⁸[1st October, 2005] shall be in accordance with safety standard AIS: 062, as amended from time to time, till such time corresponding BIS standards are notified.

(3) The hydraulic brake hoses wherever used in agricultural tractor and its trailer shall be in accordance with IS: 7079-1995, as amended from time to time.

(4) The vegetable, non-mineral based hydraulic fluids, wherever used in agricultural tractor shall be in accordance with IS: 8654-1986, as amended from time to time.

(5) The tow hook wherever used in agricultural tractor shall be in accordance with IS: ⁹⁹[12362 (Part 2)], as amended from time to time.

(6) The fuel tanks of agricultural tractor shall comply with the requirements laid down in IS: 12056-1987, as amended from time to time:

Provided that the clause 3.2.1. of IS 12056-1987 be exempted for agricultural tractor that have a gravity feed fuel flow system.

(7) The wheel nuts and hub caps used in agricultural tractor shall be in accordance with IS: 13941-1994, as amended from time to time.]

¹¹⁶**[124B. Safety Standards of components for power tillers.-**

(1) The lamps and bulbs used on power tillers for

- (a) the head light main and dip;
- (b) the parking light;
- (c) the direction indicator lamp;
- (d) the tail lamp;
- (e) the reversing lamp;
- (f) the stop lamp;
- (g) the rear Registration mark illuminating lamp,

shall be in accordance with AIS:034:2004 as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(2) The lighting and signaling devices shall be in accordance with AIS:062:2004 as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(3) The safety and comfort of the operator of a power tiller shall be in accordance with IS:12239 (Part 3):1996, as amended from time to time.

(4) The gradeability of a power tiller coupled to a trailer under the declared combination weight by the manufacturer shall be in accordance with IS:9980:1988, as amended from time to time.]

⁸**[125. Safety-belt, collapsible steering column, auto-dipper and padded dashboards.--**

¹⁰⁰[(1)] One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules 1993, the manufacturer of every motor vehicle other than motor cycles and three-wheelers ¹⁴⁹[***] shall equip every such vehicle with a seat belt for the driver and for the person occupying the front seat.

¹⁰¹[(1A) The manufacturer of every motor vehicle of M1 category shall equip every motor vehicle with a seat belt for a person occupying the front facing rear seat:

Provided that the specifications of Safety Belt Assemblies and Safety Belt Anchorages in motor vehicles shall conform to AIS:005-2000 and AIS:015-2000 specifications, respectively, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified:

Provided further that on and after 1st October, 2002 the specification of Safety Belt Assemblies and Safety Belt Anchorages in motor vehicles shall conform to AIS:005-2000 and AIS:015-2000 specifications, respectively.]

(2) Six months from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, all motor vehicles shall be equipped with rear view mirror.

²⁵[Provided that ³²[on and from 1st May, 2003] the rear-view mirror specifications and installation requirements shall be as specified by AIS:001-2001 and AIS:002-2001 respectively, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified.]

¹⁰²[***]

¹⁰³[***]

¹⁰⁴[(5) On and after 1st January, 2003, the size and specifications on seats, their Anchorages and Head Restraints (excluding luggage retention) on M1 vehicle category shall conform to AIS: 016-2002 specifications, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified.]

¹¹⁶[(6) On and from the 1st day of October, 2007, the seats, their anchorages and their head restraints for M2, M3, N1, N2 and N3 Category of vehicles, shall be in accordance with AIS:023:2005 as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

²[125A. Safety belt, etc., for construction equipment vehicles.--

One year from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, the manufacture of every construction equipment vehicle other than an agriculture tractor shall equip every such vehicle with a seat belt for the driver and for the person occupying the front seat, and with a rear-view mirror.]

¹¹⁶[125B. Special requirements for transport vehicles that are driven on hills.-

(1) On and from the 1st day of October, 2006, such four wheeled transport vehicles as may be notified by State Governments in the official Gazette plying on such routes or areas in hilly terrains shall be fitted with fog lamp, power steering, defogging and demisting system and that the State Government would provide a lead time of six months for this purpose.

(2) Anti-lock braking system shall be introduced in all M-2 category buses including those plying on All India Tourist Permit on and from the 1st day of October, 2007 in hill areas.

125C. Body building and approval.-

(1) On a date to be notified, the testing and approval for body building of buses shall be in accordance with AIS:052:2001 as amended from time to time for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986)."

(2) The testing and approval for the body building of school buses shall be in accordance with AIS:063:2005 as amended from time to time for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

⁸[126. Prototype of every motor vehicle to be subject to test.--

On and from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every ¹⁰⁵[manufacturer or importer] of motor vehicles other than trailers and semi-trailers shall submit the prototype of the vehicle ¹⁰⁶[to be manufactured or imported by him] for test by the Vehicle Research and Development Establishment of the Ministry of Defence of the Government of India or Automotive Research Association of India, Pune, ¹⁵⁰[or the Central Farm Machinery Testing and Training Institute, Budni (MP)], or the Indian Institute of Petroleum, Dehradun, ¹⁵¹[or the Central Institute of Road Transport", Pune, or the International Centre for Automotive Technology, Manesar,] and such other agencies as may be specified by the Central Government for granting a certificate by that agency as to the compliance of provisions of the Act and these rules:]

²⁵[Provided that the procedure for type approval and certification of motor vehicles for compliance to these rules shall be in accordance with the AIS:017-2000, as amended from time to time:]

¹⁹[Provided further that in respect to the vehicles imported into India as completely built units (CBU), the importer shall submit a vehicle of that particular model and type to the testing agencies for granting a certificate by that agency as to the compliance to the provision of the Act and these rules.]

¹[126A. The testing agencies referred to in rule 126 shall in accordance with the procedures laid down by the Central Government also conduct tests on vehicles drawn from the production line of the manufacturer to verify whether these vehicles conform to the provisions of ¹⁰⁷[rules made under section 110 of the Act]:]

²⁵[Provided that in case the number of vehicles sold in India for a given base model and its variants (manufactured in India or imported to India) are less than 250 in any consecutive period of six months in a year, then such base model and its variants need not be subjected to the above test, if at least one model or its variants manufactured or imported by that manufacturer or importer, as the case may be, is subjected to such tests at least once in a year:

Provided further that, in case the number of base models and its variants manufactured/imported is more than one and if the individual base model and its variants are less than 250 in any consecutive period of six months in a year, then the testing agencies can pick up one of the vehicle out of such models and their variants once in a year for carrying out such test.]

²[126B. Prototype of every construction equipment vehicle to be subject to test.--

(1) On and from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, every manufacturer of construction equipment vehicle shall submit the prototype of the construction equipment vehicle to be manufactured by him for test by any of the agencies referred to in rule 126 for granting a certificate by that agency as to the compliance of provisions of the Act and these rules.

(2) The testing agencies referred to in rule 126 shall in accordance with the procedure laid down by the Central Government conduct tests on vehicles drawn from the production line of the manufacturer to verify whether the vehicles conform to the provisions of the Act, or rules or orders issued thereunder shall be re-numbered as sub-rule (1) thereof and after sub-rule (1) as so, renumbered:]

⁹⁵[Provided that the provisions of this sub-rule shall not be applicable in respect of any construction equipment upto and including ⁹⁶[26th August, 2002].]

127. Quality certificate by manufacturer.--

¹⁰⁸[(1)] On and from the date of commencement of this rule¹⁰⁹, the sale of every motor vehicle manufactured shall be accompanied by a certificate of road-worthiness issued by the manufacturer in Form 22.

²[(2) On and from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, the sale of every construction equipment vehicle manufactured shall be accompanied by a certificate of road-worthiness issued by the manufacturer in Form 22.]

Special provisions

128. Tourist vehicles other than motor cabs, etc.--

A tourist vehicle other than motor cab, taxi-cab, campers van house trailer, shall conform to the following specifications, namely:--

²⁹[(1) The dimensions shall conform to the dimensions specified in rule 93.]

(2) Structure.--Structure of the tourist vehicle should be sturdy and strong, structural frame work using suitable material of adequate sectional area and an aerodynamical shape. For exterior panelling, aluminium sheet or good quality panelling material should be used. As regards interior panelling it should cover the entire interior roof, sides, back and bulk head portions. The body should be made completely leakproof and dustproof. The vehicle- should also be rattle proof. Sound deadening should also be done for all panelling including the floor.

⁸[(3) Passenger entrance and exit.--The passenger entrance-cum-exit door shall be located on the left side of the vehicle and minimum door width shall be 685 millimetres. The door handle should be capable of being handled from inside as well as from outside. The door may be operated pneumatically or hydraulically or electrically with suitable locking devices].

¹⁴⁴[(4) Emergency exit-The emergency exit provided on the tourist vehicle shall meet the following requirements, namely:-

(i) be clearly marked 'EMERGENCY EXIT' in bold letters on the inside and the outside of the tourist vehicle;

(ii) be so designed as to open from inside and the outside of the tourist vehicle;

(iii) be equipped with a fastening device which can be quickly released but so designed as to offer protection against accidental release;

(iv) be easily accessible to persons of normal height standing on the ground outside the vehicle;

(v) be easily accessible to the passengers;

(vi) be such that no seat or other object placed in the vehicle shall restrict the passage to the emergency door;

(vii) be located either at the back or on to the right hand side of the vehicle; and

(viii) emergency exist may be provided in the form of a window with breakable glass. In such cases, a suitable device shall be provided at a convenient place to break open the glass in the event of an emergency.]

(5) Driver entry and exit.--A separate door with suitable sliding window shall be provided for the driver near the driver seat.

(6) Windscreen.--

(i) The front windscreen shall be of clear view and distortion free, with safety glass and shall be of the full width of the tourist vehicle. If made in two halves, the width of the centre vertical joint, inclusive of the rubber glazing fitment of the front windshield shall be such as to enhance the elegance of the tourist vehicle.

(ii) The rear windscreen shall be of safety glass or laminated safety glass. It shall match with the windows provided on the vehicle. Sliding curtains shall be provided on the rear windscreen.

(7) Windows.--Windows of tourist vehicles should have a minimum space of 14.25 millimetres and shall be of safety or laminated safety glass. Windows shall be of double sliding type, slider running smoothly in channels without rattle. All safety or laminated safety glasses used for windows should conform to standards laid down by the Bureau of Indian Standards. Windows shall be provided with sliding curtains.

(8) Ventilation.--Adequate arrangements shall be provided for ventilation for the passenger compartment as well as the driver compartment. All ventilators and windows shall be such that when closed they will not permit ingress of rain water or dust in the passenger or driver compartment.

(9) Luggage.--

(i) Luggage holds shall be provided at the rear or at the sides, or both, of the tourist vehicle with sufficient space and size, and shall be rattleproof, dustproof and waterproof with safety arrangements.

(ii) The light luggage racks, on strong brackets shall be provided inside the passenger compartment running along the sides of the tourist vehicle. Except where nylon netting is used, the under side of the rack shall have padded upholstery to protect the passengers from an accidental hit. The general design and fitment of the rack shall be so designed as to avoid sharp corners and edges.

(10) Seats and seating arrangements.--

(i) ¹¹⁰[***]

(ii) Seating layout shall be ²⁹[two and two or one and two or one and one] on either side, all seats facing forward, with a clear gangway of at least 355 millimetres width at the centre. Each passenger seat shall have a minimum area of 447 millimetres x 457 millimetres and an arm rest on both sides and seat back Of full height.

(iii) The seat frames shall be sturdy, properly finished and so mounted as to transfer the weight directly to the structural members of framework. The seats shall be of reclining type and adjustable.

(iv) The seats shall be so mounted as to provide at least 280 millimetres leg room from the front of the rear seat to the back of the front seat. A foot rest at suitable location and height shall be provided for every passenger.

(11) Painting and finishing.--The tourist vehicle shall be painted in a manner referred to in sub-rules (7) and (8) of rule ¹⁵²[85] in white colour with a blue ribbon of five centimetres width at the centre of the exterior of the body.

(12) Lighting.--

(i) (a) The passenger compartment shall be adequately illuminated.

(b) Arrangement shall be provided to eliminate reflection of the light from the passenger compartment on the windscreen.

(c) In addition to the lights in the passenger compartment, at least two night-lights with coloured domes, shall be provided in the passenger compartment.

(ii) The front and rear destination boxes, if provided, shall be illuminated.

(iii) One independently operated light fitting shall be provided for illumination of the driver's or attendant's seat area.

(iv) A light fitting shall be provided for illuminating the steps at the passenger entrance door.

(v) Each luggage hold shall have a light fitting for illumination of that hold, (vi) Wiring in the passenger compartment shall be with low tension cable conforming to IS: 2465 of size commensurate with the estimated current loading. The wires shall be carried in PVC sleeveings or conduit or casing of adequate size. When any wire passes through a hold in a panel or sheet metallic components, a rubber grommet of adequate size shall be provided for protection of the insulation.

(13) Fittings and accessories.--A tourist vehicle shall be equipped with the following, namely:--

(i) Convex rear-view mirrors one on each side, universally adjustable and of adequate dimensions.

(ii) First-aid box with glazed front, with necessary medicines for first-aid.

(iii) Fire extinguisher, dry powder type located near the engine compartment.

(iv) Insulation on interior or exterior of the engine bonnet for reducing the noise and heat from the engine.

(v) Provision for locating vehicle tools securely.

(vi) Heavy duty windscreen wiper system.

(vii) Adjustable sunvisors of adequate size for the driver and for the attendant.

(viii) Electrically operated wide indicators or blinkers, stop lights and parking lights.

(ix) Dual head lamps.

(x) Suitable illumination for the registration number plate at the rear.

(xi) Horn.

(xii) Electric fans, of 8 inches sweep adjustable, at least eight in number, suitably spaced in the passenger compartment and controlled by switches located near the seat.

(xiii) Electric bell or buzzer located near the seat of driver or attendant and operated by at least four push button controls placed at suitable location in the passenger compartment.

(xiv) Ash trays near passenger seats of a design convenient for cleaning them at intermediate stops of the tourist vehicle.

(xv) Drinking water and ice-box.

(xvi) Rack for magazines and other reading material.

(xvii) Back pockets and numbers for each seat.

(xviii) Public address system with at least four speakers suitably located in the passenger compartment.

(xix) Document frame, located near the seat of driver, for carrying vehicle documents, tax token, licence and permit.

(xx) Mud flaps for front and rear wheels:

¹¹¹[Provided that the provisions of clauses (2) and (7), sub-clause (vi) of clause (12), sub-clauses (ix), (xii) and (xiii) of clause (13) of this rule shall not apply to the vehicles of integral construction.]

¹¹⁶**[128A. Special provision for M3 category of vehicles. -**

The provisions of sub-rule (4) of rule 128 shall apply to all M3 category of vehicles.]

129. Transportation of goods of dangerous or hazardous nature to human life.--

(1) Every owner of a goods carriage transporting any dangerous or hazardous goods shall, in addition to complying with the provisions of any law for the time being in force in relation to any category of dangerous or hazardous goods, comply with the following conditions, namely:--

(i) every such goods carriage, carrying the same type of dangerous or hazardous goods (whether in bulk or in packages), shall display a distinct mark of the class label appropriate to the type of dangerous or hazardous goods specified in column 3 of the Table I to rule 137;

(ii) in the case of packages containing goods listed in Table III in rule 137 and which represents two hazards as given in column 2 thereof, such packages shall display distinct labels to indicate both the hazards;

(iii) every package containing dangerous or hazardous goods shall display the distinct class labels appropriate to the type of dangerous or hazardous goods specified in column 3 of the Table I to rule 137;

²⁷[(iv) Every goods carriage carrying any dangerous or hazardous goods shall be equipped with safety equipments for preventing fire, explosion or escape of hazardous or dangerous goods.]

⁸[(2) One year from the date of commencement of Central Motor Vehicles (Amendment) Rules 1993, every goods carriage carrying goods of dangerous or hazardous nature to human life, shall be fitted with tachograph (an instrument to record the lapse of running time of the motor vehicle; time speed maintained, acceleration, declaration, etc.) conforming to the specifications of the Bureau of Indian Standards].

¹¹²**[129A. Spark arrester.--**

Six months from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every goods carriage carrying goods of dangerous or hazardous nature to human life shall be fitted with a spark arrester.]

130. Manner of display of class labels.--

(1) Where a class label is required to be displayed on a vehicle, it shall be so positioned that the size of the class label is at an angle of 45 degrees to the vertical and the size of such label shall not be of less than twenty-five millimetres square which may be divided into two portions, the upper half portion being reserved for the pictorial symbol and the lower half for the text:

Provided that in the case of smaller packages a suitable size of the label may be adopted.

(2) Where the class label consists of adhesive material, it shall be waterproof and where it consists of metal or other substance on which the pictorial symbol and the text are printed, painted or affixed, they shall be affixed directly on such material and in every case, the surface of the vehicle surrounding the label shall be of a colour that contrasts vividly with the background of the class label.

(3) Every class label displayed on a vehicle shall be positioned in such a manner that it does not obscure other markings required to be displayed under any other law.

(4) Every goods carriage carrying any dangerous or hazardous goods shall display the class label both in the front and in the rear in a conspicuous manner.

⁸[131. Responsibility of the consignor for safe transport of dangerous or hazardous goods.--

(1) It shall be the responsibility of the consignor intending to transport any dangerous or hazardous goods listed in Table III, to ensure the following, namely:--

(a) the goods carriage has a valid registration to carry the said goods;

(b) the vehicle is equipped with necessary first-aid, safety equipment and antidotes as may be necessary to contain any accident;

(c) that the transporter or the owner of the goods carriage has full and adequate information about the dangerous or hazardous goods being transported; and

(d) that the driver of the goods carriage is trained in handling the dangers posed during transport of such goods.

(2) Every consignor shall supply to the owner of the goods carriage, full and adequate information about the dangerous or hazardous goods being transported as to enable such owner and its driver to,--

(a) comply with the requirements of rules 129 to 137 (both inclusive) of these rules; and

(b) be aware of the risks created by such goods to health or safety of any person.

(3) It shall be the duty of the consignor to ensure that the information is accurate and sufficient for the purpose of complying with the provisions of rules 129 to 137 (both inclusive) of these rules.]

⁸[132. Responsibility of the Transporter or owner of goods carriage.--

(1) It shall be the responsibility of the owner of the goods carriage transporting any dangerous or hazardous goods to ensure the following, namely:--

(a) that the goods carriage has a valid registration to carry the said goods and the said carriage is safe for the transport of the said goods; and

(b) the vehicle is equipped with necessary first-aid, safety equipment, tool box and antidotes as may be necessary to contain any accident.

(2) Every owner of a goods carriage shall, before undertaking the transportation of dangerous or hazardous goods in his goods carriage, satisfy himself that the information given by the consignor is full and accurate in all respects and corresponds to the classification of such goods specified in rule 137.

(3) The owner of a goods carriage shall ensure that the driver of such carriage is given all the relevant information in writing as given in Annexure V of these rules in relation to the dangerous or hazardous goods entrusted to him for transport and satisfy himself that such driver has sufficient understanding of the nature of such goods and the nature of the risks involved in the transport of such goods and is capable of taking appropriate action in case of an emergency.

(4) The owner of the goods carriage carrying dangerous or hazardous goods, and the consignor of such goods shall lay down the route for each trip which the driver shall be bound to take unless directed or permitted otherwise by the Police Authorities. They shall also fix a time table for each trip to the destination and back with reference to the route so laid down.

(5) It shall be the duty of the owner to ensure that the driver of the goods carriage carrying dangerous or hazardous goods holds a driving licence as per provisions of rule 9 of these rules.

(6) Notwithstanding anything contained in rules 131 and 132, it shall be sufficient compliance of the provisions of these rules if the consignor transporting dangerous or hazardous goods and the owner of the goods carriage or the transporter, abides by these conditions within six months after the date of coming into force of the Central Motor Vehicles (Amendment) Rules, 1993.]

⁸[133. Responsibility of the driver.--

(1) The driver of a goods carriage transporting dangerous or hazardous goods shall ensure that the information given to him in writing under sub-rule (3) of rule 132 is kept in the driver's cabin and is available at all time while the dangerous or hazardous goods to which it relates, are being transported.

(2) Every driver of a goods carriage transporting any dangerous or hazardous goods shall observe at all times all the directions necessary for preventing fire, explosion or escape of dangerous or hazardous goods carried by him while the goods carriage is in motion, and when it is not being driven he shall ensure that the goods carriage is parked in a place which is safe from fire, explosion and any other risk, and at all times the vehicle remains under the control and supervision of the driver or some other competent person above the age of 18 years.]

134. Emergency information panel.--

(1) Every goods carriage used for transporting any dangerous or hazardous goods shall be legibly and conspicuously marked with an emergency information panel in each of the three places indicated in the Table below so that the emergency information panel faces to each side of the carriage and to its rear and such panel shall contain the following information, namely:--

(i) the correct technical name of the dangerous or hazardous goods in letters not less than 50 millimetres high;

(ii) the United Nations class number for the dangerous or hazardous goods as given in column 1, Table 1 appended with Rule 137, in numerals not less than 100 millimeters high;

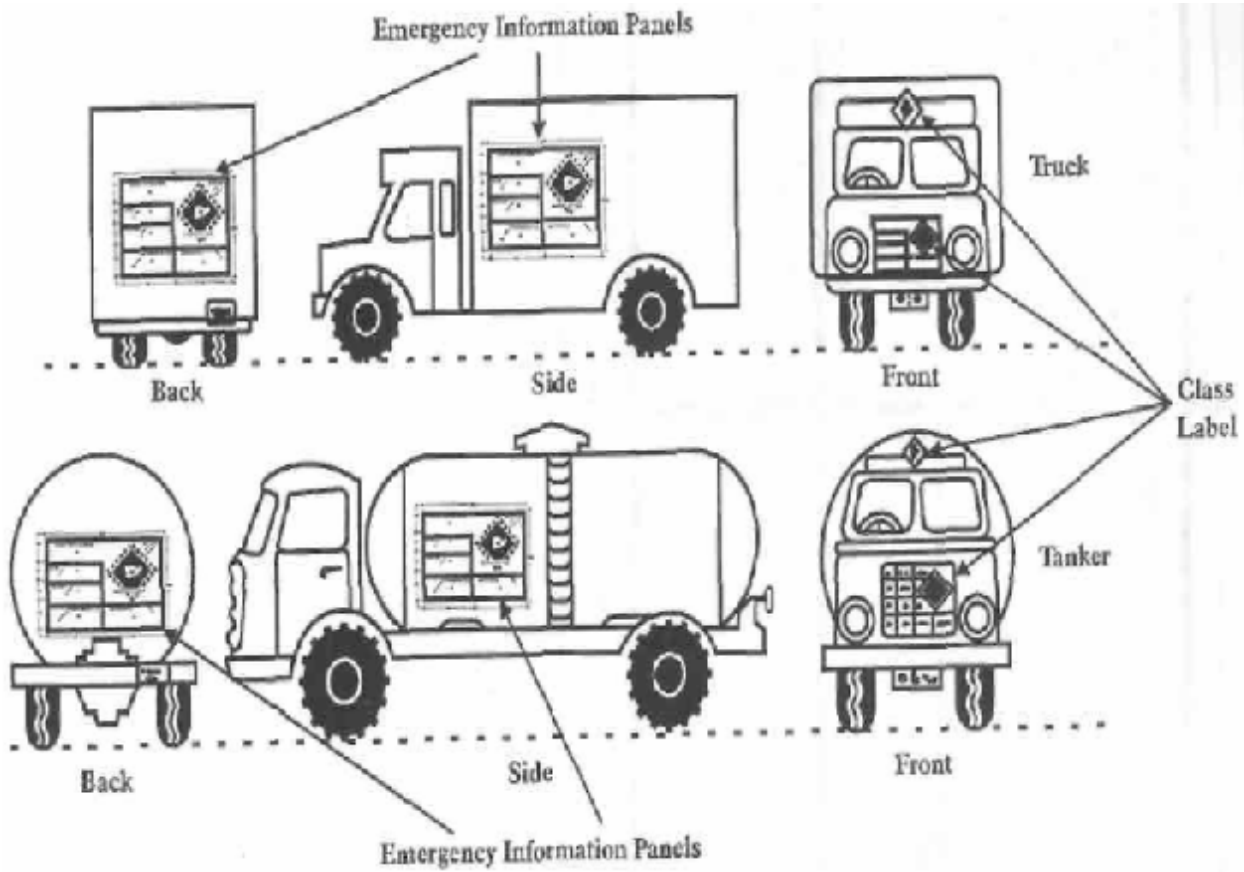
(iii) the class label of the dangerous or hazardous goods of the size of not less than 250 millimetres square;

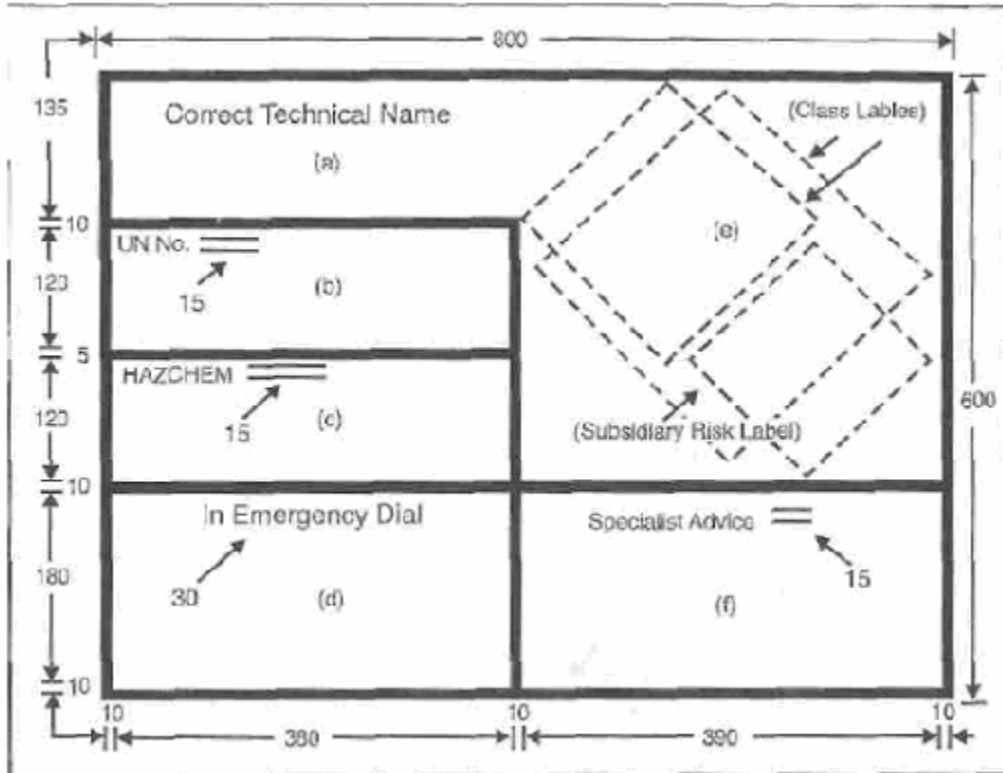
(iv) the name and telephone number of the emergency services to be contacted in the event of fire or any other accident in letters and numerals that are not less than 50 millimetres high and the name and telephone number of the consignor of the dangerous or hazardous goods or of some other person from whom expert information and advice can be obtained concerning the measures that should be taken in the event of an emergency involving such goods.

¹¹²[(2) The information contained in sub-rule (1) shall also be displayed on the vehicle by means of a sticker relating to the particular dangerous or hazardous goods carried in that particular trip.]

¹¹³[(3)] Every class label and emergency information panel shall be marked on the goods carriage and shall be kept free and clean from obstructions at all times.

TABLE
PLACES FOR FIXING EMERGENCY INFORMATION PANELS ON VEHICLES AND
DIMENSIONS





(All dimensions are expressed in millimetres)

135. Driver to be instructed.--

The owner of every goods carriage transporting dangerous or hazardous goods shall ensure to the satisfaction of the consignor that the driver of the goods carriage has received adequate instructions and training to enable him to understand the nature of the goods, being transported by him, the nature of the risks raising out of such goods, precautions he should take while the goods carriage is in motion or stationary and the action he has to take in case of any emergency.




⁸136. Driver to report to the police station about accident.--



The driver of a goods carriage transporting any dangerous or hazardous goods shall, on the occurrence of an accident involving any dangerous or hazardous goods transported by this carriage, report forthwith to the nearest police station and also inform the owner of the goods carriage or the transporter regarding the accident.]




137. Class labels.--




In respect of the dangerous or hazardous goods specified in column (2) of the Table below, the labels specified in the corresponding entry in column (3) shall be the class labels, namely:--



TABLE I
Class of Labels

UN Class No.	Classification of goods	Class label
(1)	(2)	(3)
1.	Explosives	
		Symbol (exploding bomb) : Black
		Background : Orange
2.	Gases, compressed, liquefied, dissolved under pressure or deeply refrigerated.	
2.1	Non-flammable gases	
		Symbol (gas cylinder) : Black or White
		Background : Green
2.2	Inflammable gasses	

		Symbol (flame): Black or White
		Background : Red
(1)	(2)	(3)
2.3	Poison (toxic gasses)	
		Symbol (skull and cross bones) : Black
		Background : White
3.	Inflammable Liquids	
		Symbol (flame) : Black or White
		Background : Red
4.	Inflammable solids, substances liable to spontaneous combustion substances which, on contract with water, emit inflammable gases.	
4.1	Inflammable solids	

		 <p>Symbol (flame) : Black or White Background : Red</p>
		Symbol (flame) : Black or White
		Background : red
4.2	Substances liable to spontaneous combustion	 <p>Symbol (flame) : Black Background : Upper half : White and lower half red</p>
4.3	Substances which, on contact with water, emit inflammable gases	 <p>Symbol (flame) : Black or White Background : Blue</p>
5.	Oxidizing substances and organic peroxides.	

5.1	Oxidizing substances	
		<p>Symbol (flame over circle) : Black Background : Yellow</p>
5.2	Organic peroxides	
		<p>Symbol (flame over circle) : Black</p>
		<p>Background : Yellow</p>
6.	Poisonous (toxic) and infectious substances.	
6.1	Poisonous substances (toxic)	 <p>Symbol (skull and crossbones) : Black Background : White</p>

6.2	Harmful substances	 <p>The bottom half of the label should bear the inscription: Harmful; Stow away from food-stuffs Symbol (St. Andrew's cross over an ear of wheat): Background : White</p>
6.3	Infectious substances	 <p>The bottom half of the label should bear: Infectious substances (optional) and the inscription " In the case of damage or leakage immediately notify Public Health Authority (optional) Symbol (three crescents superimposed on a circle) and inscription : Black Background : White</p>



7.	Radioactive substances	 <p>Symbol—3 segments of a circle—a number and lettering of the Class label) shall be black on a white background and the parallel lines bordering the Class label shall be black and shall be 5 mm thick</p>
8.	Corrosives	 <p>Symbol (liquids spilling from two glass vessels and attaching a hand and a metal) : Black Background; Upper half white and Lower half black with white border</p>

TABLE II

Indicative criteria

(a) Toxic chemicals:

Chemicals having the following values of acute toxicity and which, owing to their physical and chemical properties, are capable of producing major accident hazards.

LD ₅₀ (oral)* (mg/kg body weight)	LD ₅₀ (cutaneous) (mg/kg body weight)	LC ₅₀ % (mg/l inhalation)
LD ₅₀ ≤ 5 to ≤ 200	LD ₅₀ ≤ 10 to ≤ 400	LC ₅₀ ≤ 0.1 to ≤ 2
Chemical	Hazard classification	
Acetaldehyde	T	F
Acetic acid	C	

Acetone		F
Acetone cyanohydrine (2-cyanopropan-2-ol)	T	
Acetonitrile	T	F
Acetyl, chloride	C	F
Acetylene (Ethyne)		F
Acrolein (2-propenal)	T	F
Acrylonitrile	T	F
Aldicarb	T	
Allyl alcohol (2-propen-1-OL)	T	F
Allylamine	T	F
Aminodiphenyl,-4	T	
Amiton	T	
Ammonia	T	F
Ammonium nitrates	O	R
Ammonium nitrates in fertilizers	O	R
Ammonium sulfamate		
Amyl acetate	T	F
Anabasine	T	
Aniline	T	
Anisidine-p	T	
Antimony and compounds	T	C
Antimonyhydride (stibine)	T	F
Arsenic hydride (arsine)	T	
Arsenic pentoxide, arsenic (V) acid and salts	T	
Arsenic Trioxide, arsenious (III) acids and salts	T	
Azinphos-ethyl	T	
Azinphos-methyl	T	
Barium azide		E
Benzene	T	F
Benzidine	T	
Benzidine salts	T	
Benzoyl peroxide	T	E
Benzyl chloride	T	

Beryllium (powders, compounds)	T	E
Bis (2, 4, 6-trinitrophenyl) amine	T	
Bis (2-chloroethyl, sulphide)	T	
Bis (chloromethyl) ether	T	
Bis (tert-butylperoxy, butane, 2-2)		R
Bis (tert-butylperoxy) cyclohexane-1, 1		R
Boron and compounds	T	
Bromine	T	
Bromoform	T	
Butadiene-1, 3		F
Butanone-2	T	F
Butyl alcohol	T	F
Butyl peroxyacetate-tert		R
Butly peroxyisoutytrate, tert		R
Butyl peroxyisopropyl carbonate, tert		R
Butyl peroxy maleate, tert		R
Butyl peroxy pivalate, tert		R
Butylamine	C	F
Cadmium and compounds	T	
Cadmium oxide (fumes)	T	T
Camphor		F
Carbaryl (sevin)	T	
Carbofuran	T	
Carbon disulphide	T	F
Carbon monoxide	T	F
Carbon tetrachloride	T	
Carbophenothion	T	
Cellulose nitrate	E	F
Chlorates (used in explosives)	E	
Chlorfenvinphos	T	
Chlorine	T	
Chlorine oxide		
Chloroacetalchloride	C	

Chlorobenzene	T	F
Chlorodiphenyl		
Cloroform	T	
Chloroformyl,-4 morpholine	T	
Chloromethyl methylether	T	
Chloroprene	T	F
Chlorosulphonic acid	C	
Chlorotrinitrobenzene	T	E
Chromium and compounds		
Cobalt and compounds	T	
Copper and compounds	T	
Crimidine	T	
Crotonaldehyde	T	F
Cumene		
Cyanothoate	T	
Cyclohexane	F	
Cyclohexanone	T	F
Cycloheximide	T	
Cyclopentadiene	T	F
Cyclotetramethylene tetranitramine		E
Cyclotrimethylene trinitramine		E
DDT	T	
Demeton	T	
Di-n-propylperoxydicarbonate		R
Di-sec-butylperoxydicarbonate		R
Dialifos	T	
Diazodinitrophenol		E
Dibenzylperoxydicarbonate		R
Dichlorobenzene-o	T	
Dichlorobenzene-p	T	
Dichlorophenoxy acetic acid,-2, 4(2, 4-d)	T	
Dichlorovos (DDVP)	T	
Diethylamine	R	

Diethylamine ethanol	T	
Diethylene glycol dinitrate	T	
Dihydroperoxypropane,-2, 2		E
Diisobutyl peroxide		R
Diisopropylamine		R
Dimefox		C
Dimethyl formamide	T	F
Dimethyl phosphoramidocyanidic acid	T	
Dimethyl sulphate	T	
Dmethylamine		
Dmethylanilime	T	
Dimethylcarbomyl chloride	T	
Dimethylnitrosamine	T	
Dmitrobenzene	T	
Dimtropenol, salts	T	E
Dinitrotoluene	T	
Dinitro-o-cresol	T	
Dioxane	T	F
Diphacinone	T	
Disulfoton	T	
Epichlorohydrin	T	F
EPN	T	
Ethion	T	
Ethyl acetate	F	
Ethyl alcohol	F	
Ethyl amine	C	F
Ethyl bromide	T	
Ethyl chloride	T	
Ethyl ether		
Ethyl mercaptan	T	F
Ethyl nitrate	T	E R
Ethylene chlorohydrine	T	
Ethylene diamine	C	F

Ethylene dibromine (1, 2-dibromoethane)	T	
Ethylene glycol dinitrate	T	E
Ethylene oxide	T	E R
Ethyleneimine	T	F
Fluenetil	T	
Fluoride	T	
Fluoro, -4, -2 -hydroxybutric acid and salts, esters, amides	T	
Fluroacetic acid and salts esters and amides	T	
Flurobutyric acid,-4 and salts, ester and amides	T	
Fluorocrotonic acid,-4 and salts, ester and amides	T	
Formaldehyde	T	F
Furfural	T	
Glycolonitrile (Hydroxyacetonitrile)	T	
Guanyl, 1,-4-nitrosaminoguanyl-1-tetrazene	E	
Heptachlor	E	
Hexachlorodibenzo-p-dioxin,-1, 2, 3, 7, 8, 9,		
Hexamethylphosphoramide	T	
Hexamethyl, -3, 3, 6, 6, 9, 9, -1, 2, 4, 5,-tetroxacyclononane		R
Hexanitrostilbene-2, 2, 4, 6, 6	E	
Hydrazine	T	F
Hydrazine nitrate		E
Hydrogen		F R
Hydrogen chloride (liquefied gas)	T	
Hydrogen cyanide	T	F
Hydrogen fluoride	T	C
Hydrogen selenide	T	
Hydrogen sulphide	T	F
Iodine		
Isobenzan	T	
Isodrin	T	
Isopropylamine	C	F
Juglone (5-hydroxynaphthalene 1, 4-dione)	T	

Lead (inorganic fumes and dusts)		
Lead 2, 4, 6,-trinitroresorcinoxide (lead styphnate)		E
Lead azide		E
Lindane	T	
Maleil anhydride	T	
Manganese and compounds	T	
Mercury alkyl	T	O
Mercury fulminate		E
Mercury methyl	T	
Methyl acetate		F
Methyl acrylate	T	F
Methyl alcohol		F
Methyl amine	C	F
Methyl bromide (bromomethane)	T	
Methyl chloride	T	
Methyl chloroform	T	F
Methyl cyclohexane		F
Methyl ethyl ketone peroxide		R
Methyl isobutyl ketone peroxide		R
Methyl isocyanate	T	F
Methyl styrene	T	
Methylene chloride	T	
Methylenebis, -4, 4 (2 -- chloroaniline)	T	
Mevinphos		
Molybdenum and compounds		
Morpholine	C	F
N-methyl-N, 2, 4, 6,-N-tetranitroaniline		E
Naphtha (coal tar)		F
Naphthalene	T	
Naphthylamine-2	T	
Nickel and compounds	T	
Nickel tetracarbonyl	T	F
Nitroaniline-p	T	

Nitrobenzene	T	
Nitrochlorobenzene-p	T	
Nitroethan	T	F
Nitrogen dioxide	T	
Nitrogen oxides	T	
Nitroglycerine	T	E
Nitropropane-1	T	F
Nitropropane-2	T	F
Oleum	C	
OO-diethyl S-ethylsulphonylmethyl phosphorothioate	T	
OO-diethyl S-ethylsulphonylmethyl phosphorothioate	T	
OO-diethyl S-ethylthiomethyl phosphorothioate	T	
OO-diethyl S-isopropylthiomethyl phosphorodithioate	T	
OO-diethyl S-propylthiomethyl phosphorodithioate	T	
Oxydisulfoton	T	
Oxygen (liquid)		O
Oxygen difluoride	T	
Ozone		
Paraoxon (diethyl 4-nitrophenyl phosphate)	T	
Parathion	T	
Parathion methyl	T	
Pentaborane	T	F
Pentachlorophenol	T	
Pentaerythritol tetranitrate	T	E
Peracetic acid	C	R
Perchloroethylene	T	
Perchloromethyl mercaptan		
Pentanone, 2, 4,-methyl	T	F
Phenol	T	
Phorate	T	
Phosacetin	T	
Phosgene (carbonyl chloride)	T	
Phosphamidon	T	

Phosphine (hydrogen phosphide)	T	F
Phosphorus and compounds	T	F
Phthalic anhydride		
Picric acid (2, 4, 6-trinitro phenol)	T	E
Promurit [1-(3, 4-dichlorophenyl)-3-triazenethiocarboxamide]		
Propanesultone,-1, 3	T	
Propen, -1, 2,-chloro-1, 3-diol-diacetate	T	
Propyl acetate-n		F
Prophyl alcohol		F
Prophylene dichloride		
Prophylene oxide		R
Propyleneamine	T	
Pyrazoxon	T	
Pyridine	T	F
Quinone		
Selenium hexafluoride	T	
Sodium chlorate	E	R
Sodium hydroxide	C	
Sodium nitrate	T	D
Sodium picramate Sodium selenite	T T	E
Styrene, 1, 1, 2, 2,-tetrachloroethane	T	F
Sufotep	T	
Sulphur dichloride	T	
Sulphur dioxide	T	
Sulphur trioxide	C	
Sulphuric acid		
Tellurium		
Tellurium hexafluoride	T	
TEPP	T	
Tetrachlorodibenzo-p-dioxin,-2, 3, 7, 8 (TCDD)	T	
Tetraethyl lead	T	
Tetrahydrofuran	T	F

Tetramethylenedisulphotetramine	T	
Tetramethyl lead		
Tetranitromethane	T	
Thalium and compounds	T	
Thionazin	T	
Thionyl chloride	C	
Thiram	T	
Tirpate	T	
Toluene	T	F
Toluene-2,-4 ditsocyanate	T	
Toluidine-o	T	
Tri, -1,(cyclohexyl, stannyl-1-H-1, 2, 4-triazole)	T	
Triamino,-1, 3, 5-2, 4, 6 trinitrobenzene	T	E
Trichloroethylene	T	
Trichloromethanesulphenyl chloride	T	
Triethylamine	C	F
Triethylenemelamine	T	
Trinitroaniline	T	E
Trinitroanisole,-2, 4, 6	T	E
Trinitrobenzene	T	E
Trinitrobenzoic acid	T	E
Trinitrocresol	T	E
Trinitrophenetole, 2, 4, 6	T	E
Trinitroresorcinol,-2, 4, 6 (styphnic acid)	T	E
Trinitrotoluene		
Triorthocresyl phosphate		
Turpentine		F
Uranium and compounds	R	
Vanadium and compounds	T	
Vinyl chloride	T	E
Vinyl toluene	T	E
Warfarin	T	
Xylene	T	F

Xylidine	T	
Zinc and compounds		
Zirconium and compounds	F	

(b) Flammable chemicals:

(i) flammable gases: chemicals which in the gaseous state at normal pressure and mixed with air become flammable and the boiling point of which at normal pressure is 20C or below;

(ii) highly flammable liquids: chemicals which have a flash point lower than 21C and the boiling point of which at normal pressure is above 20C;

(iii) flammable liquids: chemicals which have a flash point lower than 55C and which remain liquid under pressure, where particular processing conditions, such as high pressure and high temperature, may create major accident hazards.

(c) Explosives:

Chemicals which may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.

*LD₅₀ oral in rats

LD₅₀ cutaneous in rats or rabbits

%LC₅₀ by inhalation (four hours) in rats

TABLE III

List of Hazardous and toxic chemicals

O -- Oxidising

R -- Reactive

T -- Toxic

C -- Corrosive

E -- Explosive

F -- Flammable

Footnotes:

1. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Ins. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000).
3. Ins. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
4. Subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
5. Clauses (i) and (ii) omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
6. Subs. by G.S.R. 116 (E), dated 27th February, 2002 (w.e.f. 27-8-2002).

7. Ins. by G.S.R. 116 (E), dated 27th February, 2002 (w.e.f. 27-8-2002).
8. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
9. Subs. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000).
10. Item (vii) of Paragraph B of the Explanation II to sub-rule (6) renumbered as sub-rule (7) by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
11. First proviso "Provided that in case of agricultural tractors lateral projection upto 700 millimeters beyond the central line of the rear wheel shall be permitted" omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
12. Sub-rule (7) renumbered as sub-rule (8) by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
13. Ins. by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
14. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "Every motor vehicle" (w.e.f. 10-8-2004).
15. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "a motor vehicle" (w.e.f. 10-8-2004).
16. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-9-2001).
17. Rule 95 re-numbered as sub-rule (1) thereof by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
18. Ed. As per G.S.R. 642 (E), dated 28th July, 2000, rule 95 shall be re-numbered as sub-rule (1) thereof whereas rule 95 has already been re-numbered as sub-rule (1) thereof by G.S.R. 214 (E), dated 18th March, 1999. There seems to be some drafting error.
19. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
20. Note (ii) omitted by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
21. Note renumbered as Note 1 thereof by G.S.R. 116 (E), dated 27th February, 2002 (w.e.f. 27-8-2002).
22. Sub-rules (2) to (4) ins. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
23. Ins. by G.S.R. 642 (E), dated 28th July, 2000.
24. Subs. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
25. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
26. Proviso omitted by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
27. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
28. Clause "(iv) for agricultural tractors IS: 12239 (Part 2)--1988;" omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
29. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
30. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for sub-rule "(2) The steering gear of every motor vehicle other than agricultural tractors shall be so constructed as to conform with the Indian Standards 2[IS: 12222-1987], as modified from time to time. The steering gear of every agricultural tractor shall conform to Indian Standards IS: 11859-1987." (w.e.f. 10-8-2004).

31. Subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
32. Subs. by G.S.R. 845 (E), dated 27th December, 2002 (w.e.f. 27-12-2002).
33. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for ", invalid carriages and agricultural tractors" (w.e.f. 10-8-2004).
34. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "(4) On and after 1st May, 2004, the Category N3 multi-axle vehicles shall be fitted with power steering." (w.e.f. 10-8-2004).
35. Ins. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000). Ed. In the Notification it is stated as sub-rule (5) which seems to be wrong.
36. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "construction equipment vehicle" (w.e.f. 10-8-2004).
37. Omitted by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
38. Sub-rule (2A) ins. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000) and subs. by G.S.R. 116 (E), dated 27th February, 2002 (w.e.f. 27-8-2002).
39. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993) and again subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
40. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
41. Rule "104B. Fitment of reflectors for agricultural tractors.--(1) Every agricultural tractor shall be fitted with two non-triangular red reflectors of not less than 28.5 sq. cm reflecting area one each on both sides at the rear.

(2) The reflectors referred in sub-rule (1) of this rule shall be of the reflex type conforming to Indian Standard IS: 8339-1993, amended from time to time." ins. by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004) and omitted by Corrigendum No. G.S.R. 176 (E), dated 5th March, 2004.
42. Omitted by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
43. Second proviso "Provided further that in the case of agricultural tractors the height of the said front head lamps shall not be more than 1.6 metres;" omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
44. Proviso "Provided that in the case of agricultural tractors the height of the rear lamp shall not be more than 1.6 metres." omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
45. Added by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000).
46. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993) and subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
47. Added by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000). Ed. As sub-rule (8) has already been inserted by G.S.R. 214 (E), dated 18th March; 1999 (w.e.f. 18-3-1999) hence sub-rule (8) as ins. by G.S.R. 642 (E), dated 28th July, 2000 has been numbered as sub-rule (8A).
48. Proviso "Provided in the case of agricultural tractors fitment and construction of lamps shall be as per the Indian Standards IS:12239 (Part 2): 1988;" omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
49. Sub-rule (2) omitted by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

50. Sub-rule (3) renumbered as sub-rule (2) by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
51. Central Government has specified the use of red light on the top front of the vehicle carrying high dignitaries vide S.O. 52 (E), dated 11th January, 2002.
52. Second proviso "Provided further that in the case of agricultural tractors, parking lights shall be mounted on the rear mudguards so that the lights are visible from the front and also from the rear." omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
53. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "Provided further that in the case of tractors, vertical" (w.e.f. 10-8-2004).
54. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for sub-rule "(2) On and from the commencement of the Central Motor Vehicles (7th Amendment) Rules, 2001, every motor vehicle shall comply with the following standards, namely:--
- (a) Idling CO (Carbon Monoxide) emission limit for all vehicles other than two wheelers and three wheelers operating on--
- (i) Liquefied Petroleum Gas (LPG), Petrol; or
- (ii) Compressed Natural Gas (CNG), Petrol, shall not exceed 3.0 per cent by volume;
- (b) Idling CO (Carbon Monoxide) emission limit for all two wheeler and three wheeler vehicles operating on--
- (i) Liquefied Petroleum Gas (LPG), Petrol; or
- (ii) Compressed Natural Gas (CNG), Petrol shall not exceed 4.5 per cent by volume;
- (c) Smoke density for all diesel-driven vehicles shall be as follows:--

TABLE

Method of Test	Maximum Smoke Density		
	Light Absorption Co-efficient (1/m)	Bosch Units	Hartridge Units
(1)	(2)	(3)	(4)
(a) For vehicles other than agricultural tractors:			
Full load at 60 to 70% of maximum engine-rated rpm declared by the manufacturer.	3.25	5.2	75
or			
Free acceleration for turbo charged engine.			
or			

Free acceleration for naturally aspirated engine.	2.45	--	65
(b) For agricultural tractors 80% load corresponding to maximum power developed in PTO Performance Tests.	3.25	5.2	75]

(w.e.f. 10-8-2004).}

55. Vide Corrigendum G.S.R. 176 (E), dated 5th March, 2004, for "+500".
56. Vide Corrigendum G.S.R. 176 (E), dated 5th March, 2004, for "+300".
57. 1st day of April, 1991 vide S.O. 869 (E), dated 27th October, 1989.
58. 1st day of April, 1992 vide S.O. 869 (E), dated 27th October, 1989.
59. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "six months or any lesser period as may be specified by the State Government from time to time" (w.e.f. 10-8-2004).
60. Subs. by G.S.R. 163 (E), dated 29th March, 1996.
61. Subs. by G.S.R. 46 (E), dated 21st January, 1998 (w.e.f. 1-4-1998).
62. Ins. by G.S.R. 493 (E), dated 28th August, 1997 (w.e.f. 1-4-2000).
63. Subs. by G.S.R. 399 (E), dated 1st June, 1999 (w.e.f. 1-6-1999).
64. Ins. by G.S.R. 77 (E), dated 31st January, 2000 (w.e.f.1-4-2000) in the National Capital Region.
65. Ins. by G.S.R. 286 (E), dated 24th April, 2001 [w.e.f. (a) in the National Capital Territory of Delhi in respect of vehicles manufactured on or after six months from 24th April, 2001; and (b) in respect of the 'Four Wheeled transport vehicles' which are plying on Inter-State Permits or on National Permits or on All India Tourist Permits within the jurisdiction of National Capital Territory of Delhi; and in respect of any vehicles in other areas of the country, from such date as the Central Government may by notification appoint in the Official Gazette; and different dates may be appointed for different areas.]
66. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
67. Ins. by G.S.R. 927 (E), dated 5th December, 2003 (w.e.f. 5-12-2003).
68. Ins. by G.S.R. 200 (E), dated 18th March, 2004 (w.e.f. 1-6-2004).
69. Ins. by G.S.R. 200 (E), dated 1st April, 2005 (w.e.f. 1-4-2005).
70. Added by G.S.R. 686 (E), dated 20th October, 2004 (w.e.f. 20-10-2004).

It shall come into force--

(a) in the National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad including Secunderabad, Ahmedabad, Pune, Surat, Kanpur and Agra in respect of four wheeled vehicles manufactured on and from 1st April, 2005, except in respect of four wheeled transport vehicles plying on Inter-State Permits or National Permits or All India Tourist Permits within the jurisdiction of these cities; and

(b) in other areas of the country, from such date as may be notified by the Central Government.

Explanation.--In this sub-rule "National Capital Region" shall have the same meaning as assigned to it in clause (f) of section 2 of the National Capital Region Planning Board Act, 1985 (2 of 1985).

71. Ins. by G.S.R. 627 (E), dated 8th September, 1999 (w.e.f. 1-10-1999).
72. Subs. by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000) and again subs. by G.S.R. 83 (E), dated 5th February, 2003 (w.e.f. 1-6-2003).
73. Corrected by G.S.R. 800 (E), dated 3rd December, 1999.
74. Ins. by G.S.R. 83 (E), dated 5th February, 2003 (w.e.f. 5-2-2003).
75. Subs. by G.S.R. 165 (E), dated 9th March, 2005, for Note "2. The norms mentioned in column (3) of the said Table shall be applicable with effect from 1st April, 2005" (w.e.f. 9-3-2005).
76. Ins. by G.S.R. 99 (E), dated 9th February, 2000 (w.e.f. 9-2-2000) and subs. by G.S.R. 853 (E), dated 19th November, 2001 (w.e.f. 19-5-2002).
77. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "Mass emission standards for vehicles when operating on Compressed Natural Gas (hereinafter in this rule referred to as "CNG") shall replace Hydrocarbon (HC) by Non-Methane Hydrocarbon (NMHC). Non-Methane Hydrocarbon may be measured by an analyzer or estimated by the following formula:--

$$\text{NMHC} = \text{HC} \times (1 - \text{K}/100)$$

Where HC = Total Hydrocarbons measured

K = % Methane content in natural gas fuel.

Methane content in Compressed Natural Gas to be used as reference fuel shall not be less than 70%." (w.e.f. 10-8-2004).

78. Clause "(III) Special Exemption : Special exemption shall be available for kits fitted on vehicles manufactured after 1st April, 1991. In case a kit fitted on an in-use vehicle manufactured on and after 1st April, 1991, meets the Bharat Stage-II norms under these rules, the same kit can be installed on a vehicle falling under sub-clauses (a) and (b) of clause (II) of item A along with its variants, manufactured up to the validity of such Bharat Stage-II norms." omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
79. Clause "(III) Special Exemption : Special exemption shall be available for the diesel converted vehicles manufactured after 1st April, 1992. In case such vehicle model/chassis manufactured on or after 1st April, 1992, meets the Bharat Stage-II norms under these rules, then Type Approval can be extended to base vehicle model and its variants falling under clause (II) of item B manufactured up to the validity of such Bharat Stage-II norms. Testing agencies will be required to indicate specifically, the models and their variants on which the certificate will be valid." omitted by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).
80. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "7. In case of conversion kits on In-use Gasoline Vehicles or converted diesel vehicles the validity of the certificates issued by the testing agencies shall apply to all such vehicles manufactured in the year of manufacture of the vehicle on which such kit has been tested and would extend till the validity of India - 2000 (India Stage-I) or Bharat Stage-II norms respectively as may be applicable." (w.e.f. 10-8-2004).

81. Ins. by G.S.R. 284 (E), dated 24th April, 2001 (w.e.f. 25-5-2001).
82. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "(1) Mass emission standards for vehicles when operating on LPG shall estimate, Reactive Hydrocarbon by the following formula:--
- $$\text{RHC} = 0.5 \times \text{HC}$$
- Where;
- RHC = Reactive Hydrocarbon
- HC = Total Hydrocarbon measured" (w.e.f. 10-8-2004).
83. Ins. by G.S.R. 788 (E), dated 27th November, 2002 (w.e.f. 2-6-2003).
84. Subs. for G.S.R. 111 (E), dated 10th February, 2004, for "sub-rule (2) of rule 115" (w.e.f. 10-8-2004).
85. 1st day of July, 1993 vide S.O. 427 (E), dated 27th June, 1991.
86. Subs. by G.S.R. 933 (E), dated 28th October, 1989; by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999) and by G.S.R. 660 (E), dated 12th September, 2001 (w.e.f. 12-9-2001).
87. The Central Government has specified that all heavy passenger vehicles running on CNG and operating in the National Capital Territory of Delhi shall be fitted with a speed governor as may be approved by authorised testing agencies as mentioned in rule 126 of the Central Motor Vehicles Rules, in a manner as may be notified by the Government of National Capital Territory of Delhi, vide S.O. 706 (E), dated 25th November, 2001.
88. Subs. by G.S.R. 111 (E), dated 10th February, 2004 for "including a construction equipment vehicle" (w.e.f. 10-8-2004).
89. Subs. by G.S.R. 111 (E), dated 10th February, 2004 for "AIS-014/2001" (w.e.f. 10-8-2004).
90. Subs. by G.S.R. 111 (E), dated 10th February, 2004 for "motor vehicle" (w.e.f. 10-8-2004).
91. Subs. by G.S.R. 111 (E), dated 10th February, 2004 for "Every motor vehicle" (w.e.f. 10-8-2004).
92. Subs. by G.S.R. 111 (E), dated 10th February, 2004 for sub-rule "(2) Noise Standards.-- Every motor vehicle shall be constructed and maintained so as to conform to noise standards as indicated in the Table below, and these Standards shall be tested as per Indian Standards IS: 3028-1998

TABLE

Category of Vehicles	Maximum Permissible Noise levels
1	2
Two wheelers (Petrol driven)	80 dB (A)

All passenger cars, all Petrol driven three-wheelers and diesel driven two wheelers	82 dB (A)
Passenger of Light Commercial Vehicles including three wheeled vehicles fitted with diesel engine with gross vehicles weight upto 4000 kgs.	85 dB (A)
Passenger or Commercial Vehicles with gross vehicle weight above 4000 kgs and upto 12000 kgs.	89 dB(A)
Passenger or Commercial Vehicles with gross vehicle weight above 12000 kgs.	91 dB(A)"

(w.e.f. 10-8-2004).

93. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "every motor vehicle other than trailers and semi-trailers" (w.e.f. 10-8-2004).
94. Ins. by G.S.R. 675 (E), dated 17th September, 2001 (w.e.f. 17-9-2001).
95. Subs. by G.S.R. 242 (E), dated 28th March, 2002 (w.e.f. 28-3-2002).
96. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001) and corrected by G.S.R. 263 (E), dated 19th April, 2001 (w.e.f. 21-10-2002).
97. Vide Corrigendum G.S.R. 176 (E), dated 5th March, 2004, for "lamps used".
98. Subs. by G.S.R. 200 (E), dated 1st April, 2005, for "1st April, 2005" (w.e.f. 1-4-2005).
99. Vide Corrigendum G.S.R. 176 (E), dated 5th March, 2004, for "12056-1987".
100. Rule 125 renumbered as sub-rule (1) thereof by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).
101. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001) and corrected by G.S.R. 263 (E), dated 19th April, 2001 (w.e.f. 21-10-2002) and subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002). Now with effect from 31-5-2005 as substituted by S.O. 1407 (E), dated 23rd December, 2004.
102. Sub-rule (3) omitted by G.S.R. 29 (E), dated 15th January, 1998 (w.e.f. 15-1-1998).
103. Sub-rule (4) omitted by G.S.R. 659 (E), dated 12th September, 2001 (w.e.f. 12-9-2001).
104. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001) and corrected by G.S.R. 263 (E), dated 19th April, 2001 (w.e.f. 21-10-2002) and subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
105. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "manufacturer" (w.e.f. 10-8-2004).
106. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "to be manufactured by him" (w.e.f. 10-8-2004).
107. Subs. by G.S.R. 799 (E), dated 30th December, 1993 and again subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
108. Rule 127 re-numbered as sub-rule (1) thereof by G.S.R. 642 (E), dated 28th July, 2000 (w.e.f. 28-7-2000).
109. 1st day of April, 1991 vide S.O. 941 (E), dated 11th December, 1990.

- 110.** Sub-clause (i) omitted by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
- 111.** Added by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
- 112.** Ins. by G.S.R. 338 (E), dated, 26th March, 1993 (w.e.f. 26-3-1993).
- 113.** Sub-rule (2) renumbered as sub-rule (3) by G.S.R. 338 (E), dated, 26th March, 1993 (w.e.f. 26-3-1993).
- 114.** Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words motor vehicle.
- 115.** Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-
(ii) in the case of a double-decked motor vehicle, shall not exceed 4.75 metres;
- 116.** Inserted by Notification No. GSR589(E) dated 16.09.2005.
- 117.** Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

¹⁷[(1)]¹⁸ The size of tyres of a motor vehicle specified in column (1) of the Table below shall have a ply rating specified in the corresponding entry in column (2) of the said Table in respect of a maximum weight permitted to be carried by ⁸[such tyre specified] in the corresponding entry in column (3) thereof.

⁸[TABLE

Size	Ply rating specified by the manufacturer	Maximum weight permitted to carry	
		Single (kgs.),	Dual
(1)	(2)	(3)	(4)
4.50 x 12 ULT	6	355	340
4.50 x 12 ULT	8	415	395
6.00 x 16	6	710	620
6.00 x 16	8	835	730
6.50 x 16	6	795	705
6.50 x 16	8	935	825
6.70 x 15	6	760	670
6.70 x 15	8	895	790
7.00 x 15	6	850	750
7.00 x 15	8	1010	890
7.00 x 15	10	1145	1010
7.00 x 15	12	1280	1125
7.00 x 16	6	890	780
7.00 x 16	8	1050	925
7.00 x 16	10	1200	1030

7.00 x 16	12	1325	1160
7.50 x 16	8	1205	1055
7.50 x 16	10	1375	1205
7.50 x 16	12	1530	1350
7.50 x 16	14	1630	1435
F-78-15-LT	4	675	N.A.
F-78-15	6	775	N.A.
F-78-15-LT	8	890	N.A.
LT 215 80D-14	6	870	795
LT 215 80D-14	8	1035	955
LT 215 80D-14	10	1190	1090
LT 215 80R-14	--	1190	1090
LT 195 80D-15	6	790	N.A.
LT 195 80D-15	8	925	N.A.
7.00 x 20	10	1660	1450
7.50 x 20	10	1855	1630
7.50 x 20	12	2060	1805
8.25 x 20	12	2365	2075
8.25 x 20	14	2585	2275
9.00 x 20	12	2710	2380
9.00 x 20	14	2960	2615
9.00 x 20	16	3075	2695
10.00 x 20	14	3180	2790
10.00 x 20	16	3480	3050
10.00 x 20	18	3575	3130
11.00 x 20	14	3470	3040
11.03 x 20	16	3785	3325
11.00 x 24	14	3910	3435
12.00 x 20	14	3680	3230
12.00 x 20	16	4070	3575
12.90 x 20	11	4320	378
14.00 x 20	20	5320	4665
14.00 x 20	22	5765	5060

4.50 x 12	6	255	Not applicable
4.50 x 17	6	395	"
5.00/5.25 X 16	6	405	"
5.20 x 10	6	275	"
5.20 x 12	6	310	"
5.20 x 13	6	335	"
5.20 x 14	6	375	"
5.20 x 14	4	315	"
5.60 x 13	4	330	"
5.60 x 13	6	305	"
5.60 x 14	6	405	"
5.60 x 15	6	425	"
5.65 x 12	4	250	"
5.65 x 12	6	275	"
5.75/6.00 x 16	6	545	"
5.90 x 13	6	425	"
5.90 x 14	6	440	"
5.90 x 15	6	460	"
6.15 x 13	4	340	"
6.15 x 13	6	385	"
6.40 x 13	6	465	"
6.40 x 15	6	520	"
6.40 x 15	8	610	"
6.50 x 6.7x16	6	545	"
6.70 x 13	4	455	"
6.70 x 13	6	515	"
6.70 x 15	6	560	Not applicable
6.95 x 14	6	515	"
7.00 x 13	6	510	"
7.00 x 14	6	545	"
7.25 x 13	6	545	"
7.50 x 14	6	600	"
7.60 x 15	6	650	"

7.60/700 x 15	6	650	"
7.75 x 14	6	600	"
145/70 R 12	--	325	"
145/70 R 13	--	345	"
155/70 R 13	--	387	"
165/70 R 13	--	437	"
145/70 R 14	--	365	"
155/70 R 14	--	405	"
165/70 R 14	--	465	"
195/70 R 15	--	630	"
145/80 R 10	--	315	"
145/80 R 12	--	355	"
155/80 R 12	--	400	"
145/80 R 13	--	375	"
155/80 R 13	--	425	"
165/80 R 13	--	475	"
175/80 R 13	--	530	"
145/80 R 14	--	410	"
155/80 R 14	--	450	"
165/80 R 14	--	500	"
175/80 R 14	--	560	"
165/80 R 15	--	530	"
195/80 R 15	--	630	"
3.50 x 10	6	¹⁹ [420]	"
4.00 x 8	4	¹⁹ [380]	"
4.00 x 8	6	¹⁹ [448]	"
4.00 x 10	4	¹⁹ [414]	"
4.00 x 10	6	¹⁹ [487]	Not applicable
4.50 x 8	6	400	"
4.50 x 10	6	¹⁹ [532]	"
4.50 x 10	8	¹⁹ [582]	"
4.50 x 8	4	340	"
2.75 x 10	4	¹⁹ [169]	"

2.75 x 10	6	¹⁹ [179]	"
3.00 x 10	4	¹⁹ [195]	"
3.50 x 8	4	¹⁹ [221]	"
3.50 x 10	4	¹⁹ [253]	"
2.25 x 16	4	120	"
2.25 x 16	6	138	"
2.25 x 17	4	127	"
2.25 x 17	6	145	"
2.25 x 18	4	132	"
2.25 x 18	6	154	"
2.50 x 14	4	123	"
2.50 x 16	4	138	"
2.50 x 16	5	160	"
2.50 x 17	4	145	"
2.50 x 17	6	171	"
2.50 x 18	4	154	"
2.50 x 18	6	152	"
2.75 x 14	4	140	"
2.75 x 14	6	160	"
2.75 x 17	4	169	"
2.75 x 17	6	205	"
2.75 x 18	4	175	"
2.75 x 18	6	210	"
3.00 x 14	4	160	"
3.00 x 14	6	182	"
3.00 x 18	4	195	"
3.00 x 18	6	220	"
3.00 x 19	4	205	"
3.00 x 19	6	230	Not applicable
3.25 x 16	4	200	"
3.25 x 16	6	2.40	"
3.25 x 18	4	220	"
3.25 x 18	6	270	"

3.25 x 19	4	230	"
3.25 x 19	6	275	"
3.50 x 18	4	250	"
3.50 x 18	6	290	"
3.50 x 19	4	255	"
3.50 x 19	6	295	"
1.75 x 19	Standard	80	"
1.75 x 19	Reinforce	115	"
2.00 x 19	Standard	90	"
2.00 x 19	Reinforce	125	"
2.00 x 22	Standard	95	"
2.00 x 22	Reinforce	130	"
2.25 x 16	Standard	95	"
2.25 x 16	Reinforce	130	"
2.25 x 19	4	135	"
2.50 x 16	Standard	110	"
2.50 x 16	Reinforce	150	"
2.50 x 19	Standard	120	"
250 x 19	Reinforce	165	"
8.3/8 x 24	4	625	"
8.3/8 x 24	6	810	"
8.3/8 x 32	4	715	"
8.3/8 x 32	6	920	"
11.2 x 28	4	900	"
11.2 x 28	6	1115	"
11.2 x 28	8	1305	"
11.4 x 24	4	945	"
13.4 x 34	6	1200	"
12.4 x 28	4	1005	"
12.4 x 28	6	1275	"
12.4 x 28	8	1510	Not applicable
12.4 x 36	34	135	"
12.4 x 36	6	1140	"

12.4 x 38	4	1165	"
12.4 x 38	6	1480	"
12.6 x 28	4	1100	"
13.8 x 20	6	1430	"
13.6 x 28	8	1645	"
13.6 x 38	6	1660	"
13.6 x 38	8	1910	"
16.9 x 28	6	1840	"
16.9 x 28	8	2175	"
16.9 x 30	6	1900	"
16.9 x 30	8	2245	"
18.4 x 30	10	3815	"
18.4 x 30	12	3180	"
18.4 x 30	14	3405	"
4.00 x 19	4	355	"
5.50 x 16	4	425	"
5.50 x 16	6	525	"
6.00 x 16	4	450	"
6.00 x 16	6	560	"
6.00 x 16	8	675	"
6.50 x 16	4	510	"
6.50 x 16	6	615	"
6.50 x 20	4	600	"
6.50 x 20	6	725	"
7.50 x 16	8	1355	"
Non traction	10	1525	"
Tractor trailer	12	1710	"
9.00 x 16	14	1865	"
Non traction			
Tractor trailer	16	2290	"
³ [7.00 R 15	10	1145	1010
7.00 R 16	12	1325	1160
7.00 X 16	14	1410	1250

7.5 R 16	10	1260	--
7.50 R 16	12	1530	1350
7.5 R 16	14	1630	1440
9.00 X 16	10	1530	--
F78 X 15	4	620	--
205/70 R 15	--	690	--
2.75 X 12	4	165	--
3.00 X 12	4	192	--
100/90-10-56J	--	230	--
100/90-Dia 19	02	230	--
130/80-Dia 17	03	290	--]

Note.--(i) The above maximum weights are in accordance with Indian Standards ¹⁹[IS: 10914, Part 1: 1999, Part 2: 1992, Part 3: 1991, Part 4: 1992 and Part 5: 1995], and for the maximum cold inflation pressures indicated therein and have been adjusted for the speed limit stipulated in the notification under section 112 of the Motor Vehicles Act, 1988.

²⁰[***]

(iii) The load rating for tyres not covered by the above Table may be notified by the Central Government as and when such tyres are introduced on vehicles. Till these are notified the provisional load rating declared by the vehicle manufacturer may be certified by the certifying test agency referred to in rule 126.]

OFF-THE-ROAD SERVICE: CONVENTIONAL AND WIDE BASE DIAGONAL PLY TYRES

TABLE

Agricultural Tractor Drive Wheel		
Tyre Size Designation	Ply Rating	Maximum Weight Permitted to be Carried (Kgs)
8.3/8-24	4	630
	6	825
8.3/8-32	4	730
	6	925
11.2/10-28	4	900
	6	1120
	8	1320
12.4/11-24	4	950
	6	1215
	8	1450

12.4/11-28	4	1030
	6	1285
	8	1550
	10	1600
	12	1650
12.4/11-36	4	1150
	6	1450
12.4/11-38	4	1180
	6	1500
	8	1750
13.6/12-28	4	1120
	6	1450
	8	1650
	10	1750
	12	1800
16.9/14-28	6	1850
	8	2180
	10	2430
	12	2725
ROAD GRADER		
13.00-24	8	2040
	12	2485
14.00-24	12	3015

OFF-THE-ROAD HAULAGE SERVICE TYRES

Tyre Size Designation	Ply Rating	Maximum Weight Permitted to be Carried (Kgs)
12.00-20	14	2650
	16	2900
12.00-24/25	14	3000
	16	3250
13.00-24/25	18	3875
14.00-24/25	16	4000
	20	4625

	24	5150
16.00-24/25	20	5450
	24	6000
	28	6700
18.00-24/25	12	4750
	16	5600
	20	6500
	24	7300
	28	8000
	32	8750

WIDE BASE

Tyre Size Designation	Ply Rating	Maximum Weight Permitted to be Carried (Kgs)
23.5-25	12	5300
	16	6150
	20	7300
	24	8000

Note ²¹[1].--The load rating for tyres not covered by the above Table may be notified by the Central Government as and when such tyres are introduced on construction equipment vehicles, and until these are notified, the provisional load rating declared by the construction equipment vehicle manufacturer may be certified by the certifying test agency referred to in rule 126.]

⁷[2. The maximum axle loading capacities shall be verified based on the safe loading capacities of the tyres. In cases where the axle load exceed 10.2 tonnes, the vehicle manufacturer shall ask the user to seek the prior permission of the concerned Regional or State Transport Authorities in whose jurisdiction the construction equipment vehicle is expected to ply depending upon the conditions of roads/bridges, where deemed fit. Such construction equipment vehicles whose axle load exceeds 10.2 tonnes shall display permanently on the vehicle a placard indicating "NOT FOR PLYING ON ROADS". These conditions shall be mentioned in the certificate, issued by the testing agencies referred to in rule 126, where the axle load exceeds 10.2 tonnes.]

118. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

²⁷[(4) Two years from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, every motor vehicle manufactured shall have a braking system whose performance shall conform to the following Indian Standards, namely:--

(i) for motor cycles IS: 10376 -- 1982 or IS: 11716 --- 1986, as applicable;

(ii) for three wheelers with gross vehicle weight not exceeding 1000 kgs. including three wheeled tractors for trailers, the Indian Standards IS: 13670-1992;

(iii) for three-wheelers with gross vehicle weight exceeding 1000 Kgs; and all other vehicles IS: 11852 (Part 1) 1987,

IS: 11852 (Part 2)--1987, IS: 11852 (Part 3)--1987,

IS: 11852 (Part 4)--1987, IS: 11852 (Part 5)--1987

IS: 11852 (Part 6)--1987 & IS: 11852 (Part 7)--1987, as applicable; and

²⁸[***]

Explanation.--Indian Standards means the Indian Standards specified by the Bureau of Indian Standards.]

119. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words motor cycles and three-wheelers of engine capacity not exceeding 500 cc

120. Omitted by Notification No. GSR589(E) dated 16.09.2005. Prior to omission it read as under:-

(3) Three-wheelers with the engine capacity not exceeding 500 cc shall be fitted with either a power operated or hand-operated windscreen wiper system.]

121. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(1) The signal to turn to the right or to the left shall be given by electrically operated, direction indicator lamps on all motor vehicles. ⁹[Every motor vehicle including construction equipment vehicles] shall be fitted and maintained such that the following conditions are met, namely:--

(i) The direction indicator lamps shall be of amber colour which are illuminated to indicate the intention to turn, by a light flashing at the rate of not less than 60 and not more than 120 flashes per minute.

(ii) The light emitted by the lamps when in operation shall be clearly visible from both front and rear of the vehicle.

(iii) The minimum illuminated area of each direction indicator shall be,--

(a) 22.5 square centimetres, in the case of motor vehicles with unladen weight not exceeding two tonnes or adapted solely for the carriage of seven persons excluding the driver and luggage:

Provided that the vehicle is not used for drawing a trailer other than one of less than four wheels or a four-wheeled trailer having two close coupled wheels on each side; or

(b) in the case of vehicles other than those mentioned in sub-clause (a), 60 square centimetres: .

Provided that nothing contained in this sub-rule shall apply to motor cycles of engine capacity exceeding 70 cc. manufactured before the 1st day of June, 1990 and to motor cycles of engine capacity not exceeding 70 cc.

122. Omitted the words three wheelers of engine capacity not exceeding 500 cc and by Notification No. GSR589(E) dated 16.09.2005.
123. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-
- (1) Every motor vehicle including trailers and semi-trailers other than three wheelers of engine capacity not exceeding 500 cc and motor cycle shall be fitted with two red reflectors, one each on both sides at the rear. The reflecting area of each reflector shall not be less than 28.5 sq. cms. in the case of vehicles where the overall length is more than 6 metres, and 7 sq. centimetres, in case of vehicles where the overall length is less than 6 metres. Every motorcycle shall be fitted with one red reflex reflector at the rear having the reflecting area of not less than 7 square centimetres:
- Provided that one year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, a reflective tape or reflective paint of not less than 20 millimetres width and running across the width of the body shall be affixed/ painted at the front and rear of every goods carriage.
124. Omitted the words of engine capacity not exceeding 500 cc by Notification No. GSR589(E) dated 16.09.2005.
125. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words the Indian Standards IS:8339-1993 specified by the Bureau of Indian Standards
126. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-
- (1) ¹⁹[Save as hereinafter provided, every motor vehicle, while in a public place, during the period during half an hour after sunset and at any time when there is not sufficient light, shall carry the following lamps (hereafter referred to as obligatory head lamps) kept lit and in an efficient condition to render clearly discernible persons and vehicles in the road at a distance of one hundred and fifty-five metres ahead:--]
- (a) ⁸[save in case of auto rickshaw, three wheeled vehicles of engine capacity not exceeding 500 cc, and three wheeled invalid carriage] ¹⁹[two lamps, or four lamps as the case may be,] showing to the front a white light visible from a distance of one hundred and fifty-five metres;
- (b) in the case of a motor cycle and an invalid carriage, ¹⁹[one lamp, or two lamps, as the case may be,] showing to the front a white light visible from a distance of one hundred and fifty-five metres ⁴²[***];
- (c) in the case ¹[motor cycles] of a side car attached to a motor cycle, a lamp affixed to the extreme left hand side of the side car showing to the front a white light visible from a distance of one hundred and fifty-five metres;
- ²[(d) in the case of construction equipment vehicle, two or four lamps showing to the front white light visible from a distance of one hundred and fifty-five metres ahead.]
127. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words **Lamp on auto-rickshaws and three-wheelers with engine capacity not exceeding 500 cc..**
128. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words Every auto-rickshaw and three-wheeler of capacity not exceeding 500 cc.

129. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words **Emission of smoke and vapour from ⁹[agriculture tractors and construction equipment vehicles] driven by diesel engines**

130. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

⁷⁴[(5) Every diesel driven agriculture tractor shall be so manufactured and produced by the manufacturer that it complies with the following standards of gaseous pollutants emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedure described in ISO 8178-4 'C1' 8 mode cycle, namely:--

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbon (HC) and oxides of Nitrogen (NOX) and Particulate Matters (PM) in gram per kilo watt hour emitted during the test shall not exceed the limits given below in the Table for Type Approval (TA) and Conformity of Production (COP) tests, namely:--

TABLE

(1)	Bharat (Trem) Stage II norms	Bharat (Trem) Stage III norms
	(2)	(3)
	TA = COP	TA = COP
Mass of Carbon Monoxide (CO)	9.0	5.5
Mass of Hydro carbon (HC)	15.0	9.5
Mass of Oxides of Nitrogen (NOX)		
Mass of Particulate Matter (PM)	1.0	0.8

Notes:--

1. The norms mentioned in column (2) of the said Table shall be applicable with effect from 1st June, 2003;

⁷⁵[2. The norms mentioned in column (3) of the said Table shall be applicable with effect from 1st October, 2005.]

131. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(a) In case of CNG fitment other than three-wheeler vehicles manufactured by vehicle manufacturers on new petrol vehicles, each model manufactured by vehicle manufacturer shall be type approved as per Bharat Stage-II type approval emission norms and shall comply with the provisions of these rules. In case of three-wheeler vehicles, the CNG fitment shall conform the India-2000 (India Stage-I) norms and shall comply with the provisions of these rules as applicable;

132. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(a) Each model of O.E. CNG dedicated vehicle except three-wheelers made by vehicle manufacturer shall be type approved as per the Bharat Stage-11 type approval emission norms and rules as applicable. In case of three-wheelers, the model shall be type approved as per the India - 2000 (India Stage-I) type approval emission norms and rules as applicable in this respect;

133. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(c) The 'in-use' diesel vehicles, when converted to operation on CNG shall meet at least the type approval norms of diesel vehicles prescribed in the India-2000 (India Stage-I) norms. For the vehicles manufactured on or after 1st April, 2000, the Type Approval norms corresponding to Bharat Stage-II, as applicable under these rules shall be applicable and up to the validity of such Bharat Stage-II norms;

134. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

C. Replacement of In-Use Diesel Engine by New CNG Engine

For Type Approval of in-use vehicle having diesel engine replaced by new CNG engine, it shall meet Bharat Stage-II emission norms and tests mentioned in the Table given below shall be applicable:

135. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

⁸⁰[7. In case of conversion kits on in-use Gasoline Vehicles or converted diesel vehicles the validity of the certificates issued by the testing agencies shall apply to all such vehicles manufactured in the year of manufacture of the vehicle on which such kit has been tested and would extend till the validity of India-2000 (India Stage-I) or Bharat Stage-II norms respectively as may be applicable. Testing agencies will be required to indicate specifically, the models and their variants on which the certificate will be valid:

Provided that the above provision shall come into force after one month from the date of publication of the Central Motor Vehicles (First Amendment) Rules, 2004 in the Official Gazette.]]

136. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(a) the in-use vehicles fitted with LPG kits shall meet the type approval emission norms specified in these rules for gasoline vehicles as applicable to the corresponding year of manufacture of such vehicle, subject to minimum of COP norms as applicable on 1st April, 1991 under these rules;

137. Omitted by Notification No. GSR589(E) dated 16.09.2005. Prior to omission it read as under:-

(5) Special exemption shall be available for kits fitted on vehicles manufactured after 1st April, 1991. In case a kit fitted on a vehicle manufactured in the year 1991 on and after 1st April, 1991, meets India Stage I or Bharat Stage II norms under these rules, the same kit can be installed on a vehicle falling under clauses (a) and (b) of sub-rule (3) along with its variants, manufactured up to the validity of such India Stage-I or Bharat Stage-II norms respectively.]

138. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(i) Each model of O.E. fitment LPG dedicated vehicle, other than two-wheelers and three-wheelers, made by vehicle manufacturer shall be type approved as per the Bharat Stage-II type approval emission norms and shall comply with the provisions of these rules, and in case of two-wheelers and three-wheelers, the model shall be type approved as per the India - 2000 (India Stage-I) type approval emission norms and shall comply with the provisions of these rules;

139. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(7) Replacement of In-use Diesel Engine by new LPG Engine.--For type approval of In-use vehicles other than two-wheelers and three-wheelers having diesel engine replaced by new LPG engine, it shall meet Bharat Stage-II emission norms subject to the mass emission standards formula as specified in sub-rule (1) and in case of two-wheelers and three-wheelers the vehicle shall meet India 2000 (India Stage-I) emission norms and the tests mentioned in the Table given below shall be applicable, namely:--

140. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words ⁶[every motor vehicle ⁸⁸[including construction equipment vehicle and agricultural tractor]]

141. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words horn installation requirements

142. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words **Embossment of the Chassis number and Engine number and date of manufacture.**

143. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the words engine number, chassis number and month of manufacture all together.

144. Substituted by Notification No. GSR589(E) dated 16.09.2005 for the following :-

(4) Emergency doors.--Emergency exit in the form of a door, hinged in the front, shall be provided on the off side of the tourist vehicle and shall be capable of being operated both from the inside and the outside of the tourist vehicle, or where it is not practicable to have such a door, an emergency exit from the rear window screen may be provided ⁴²[***] The emergency exit shall be prominently identified in red letters, "Emergency exit" from the inside.

145. Substituted for the words in the case of a laden trailer carrying ISO series 1 Freight Container, shall not exceed 4.2 metres by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

146. Substituted for the following by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

4.	Bharat Stage-II compliant 4 wheelers	0.5	750
5.	4-Wheelers other than Bharat Stage-II compliant	3.0	1500

147. Inserted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

148. Substituted for the words Provided that such a testing agency shall follow ISO or ECE Standards and procedures for approval of measuring meters. by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

149. Omitted the words of engine capacity not exceeding 500 cc. by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

150. Substituted for the words or the Central Machinery Testing and Training Institute, Budni (MP) by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

151. Added by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

152. Substituted for the figure and letter 85A by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

CHAPTER VI

CONTROL OF TRAFFIC

138. Signals and additional safety measures for ¹[motor vehicle].--

(1) The driver of a ¹[motor vehicle] shall make such signals and on such occasions as are specified in the regulations made under section 118.

(2) The driver of a motor cycle shall, in addition to the safety measures mentioned in sub-section (1) of section 128, comply with the requirements of rule 123.

²[(3) In a motor vehicle, in which seat-belts have been provided under sub-rule (1) or sub-rule (1A) of rule 125 or rule 125A, as the case may be, it shall be ensured that the driver, and the person seated in the front seat or the persons occupying front facing rear seats, as the case may be, wear the seat belts while the vehicle is in motion.]

(4) On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, the driver of every vehicle shall ensure that the following items are carried in the vehicle, namely:--

(a) in case of vehicles other than motor cycles, a set of spare bulbs for headlamp and fuses, and a spare wheel ready for use;

(b) tool kit as prescribed by the manufacturer;

(c) triangles of size 150 mm with a red reflecting surface as per IS 8339-1993 specified by Bureau of Indian Standards, for keeping in front and rear of the vehicle in case the vehicle is stranded on the road (applicable to vehicles other than two and three wheelers); as specified below, namely:--

one triangle in case of four wheelers with GVW not exceeding 7.5 tonnes

two triangles in case of four wheelers with GVW exceeding 7.5 tonnes

³[Provided that in case of vehicles manufactured on and after 1st January, 2003, the triangles of size and specification shall conform to AIS:022-2001, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified;]

⁵[Provided further that in addition, M3 and N3 category of vehicles shall also be required to install retro-reflective triangle complying to AIS:022:2001 as amended from time to time, excluding the requirements specified in clauses 7.2, 7.3, 7.4, 7.7, 8.1.2 and 5.0, 6.0, 11.0 of Annexure-4 of the said standard. The colour of the triangle fitted in the front of the vehicle shall be white and that of rear shall be red. The location of both the triangles shall be at least one meter above the ground level at the front and rear, preferably at the centre of the vehicle. For the purposes of "white colour warning triangle", the word "red" shall be substituted by word "white", wherever applicable in AIS:022:2001. The colour requirements of white retro-reflective portion shall be as per clause 8.5 of AIS:057 and white fluorescent material shall be as per clause 7.1 of ISO:7591-82(E)]

(d) first aid kit containing a tube of antiseptic cream containing 0.5% of Centrimide B.P. in a non-greasy base, sterilised dressings, sterilised elastic plaster, waterproof plaster, gauze and elastic bandage for wounds and burns;

(e) number of chock blocks for four wheelers as specified below, namely:--

one chock block in case of four wheelers with GVW exceeding 4 tones and less than 7.5 tonnes;

two chock blocks in case of 4 wheelers with GVW exceeding 7.5 tonnes.

The vehicle manufacturer shall ensure that the above items are supplied at the time of first sale of vehicle.

⁵[(f) at the time of purchase of the two wheeler, the manufacturer of the two wheeler shall supply a protective headgear conforming to specifications prescribed by the Bureau of Indian Standards under the Bureau of Indian Standard Act, 1986 (63 of 1986):

Provided that these conditions shall not apply to category of persons exempted in terms of Section 129 and the rules made thereunder by the concerned State Government.]

(5) Halogen bulbs with P45t cap shall not be used for head lights on all vehicles. Wattage of halogen bulbs shall not exceed 70/75 Watts for 24 Volts and 60/65 for 12 Volts systems.]

⁴[139. Production of licence and certificate of registration.--

The driver or a conductor of a motor vehicle shall produce certificates of registration, insurance, fitness and permit, the driving licence and any other relevant documents on demand by any police officer in uniform or any other officer authorised by the State Government in this behalf, and if

any or all of the documents are not in his possession, he shall produce in person an extract or extracts of the documents duly attested by any police officer or by any other officer or send it to the officer who demanded the documents by registered post within 15 days from the date of demand.]

Footnotes:

1. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
2. Ins. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999) and again subs. by G.S.R. 699 (E), dated 10th October, 2002 (w.e.f. 10-10-2002).
3. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
4. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
5. Inserted by Notification No. GSR589(E) dated 16.09.2005.

CHAPTER VII

INSURANCE OF MOTOR VEHICLES AGAINST THIRD PARTY RISKS

140. Definitions.--

In this Chapter, unless the context otherwise requires,--

(i) "accounting year" means the year commencing on the first day of April, and ending with the 31st day of March of the following year;

(ii) "approved list" means the list of foreign insurers and their guarantors maintained by the Central Government under these rules;

(iii) "Authority" means the Central Government or a State Government or any local authority or any State Transport Undertaking, motor vehicles owned by whom have been exempted from compulsory insurance under sub-section (2) of section 146;

(iv) "bank" means a company which accepts, for the purposes of lending or investment, deposits of money from the public repayable on demand or otherwise, and withdrawal by cheque, draft, order or otherwise;

Explanation.--Any company which is engaged in the manufacture of goods or carries on any trade and which accepts deposits of money from the public merely for the purpose of financing its business as such manufacturer or trader shall not be deemed to be a bank within the meaning of this clause;

(v) "certificate of foreign insurance" means a certificate issued by a foreign insurer in Form 57 in compliance with these rules;

(vi) "foreign insurer" means a person or firm carrying on the business of insurance incorporated or domiciled outside India and not registered under the Insurance Act, 1938 (4 of 1938);

(vii) "fund" means the fund established under rule 151;

(viii) "Government security" means a Government security as defined in the Public Debt Act, 1944 (18 of 1944);

(ix) "guarantor" means an insurer who has guaranteed a foreign insurer in pursuance of these rules, and "guarantee", "guaranteed" and "guaranteeing" have corresponding meanings;

(x) "visitor" means a person bringing a motor vehicle into India and making only a temporary stay therein not extending to a continuous period of more than one year.

Inland Insurance

141. Certificate of insurance.--

An authorised insurer shall issue to every holder of a policy of insurance, a certificate of insurance in Form 51 in respect of each such vehicle.

142. Cover notes.--

(1) Every cover note issued by an authorised insurer shall be in Form 52.

(2) A cover note referred to in sub-rule (1) shall be valid for a period of sixty days from the date of its issue and the insurer shall issue a policy of insurance before the date of expiry of the cover note.

143. Issue of certificates and cover notes.--

Every certificate of insurance or cover note issued by an insurer in compliance with the provisions of this Chapter shall be duly authenticated by such person as may be authorised by the insurer.

144. Transfer of certificate of insurance.--

When the ownership of a motor vehicle covered by a valid insurance certificate is transferred to another person together with the policy of insurance relating thereto the policy of insurance of such vehicle shall automatically stand transferred to that other person from the date of transfer of ownership of the vehicle and the said person shall within fourteen days of the date of transfer intimate to the authorised insurer who has insured the vehicle, the details of the registration of the vehicle, the date of transfer of the vehicle, the previous owner of the vehicle and the number and date of the insurance policy so that the authorised insurer may make the necessary changes in his record.

145. Exclusion of advertising matter.--

No certificate of insurance or cover note issued in pursuance of Chapter XI of the Act and of this Chapter shall contain any advertising matter either on the face or on the back thereof.

146. Certificates or cover notes lost, destroyed, torn, soiled, defaced or mutilated.--

(1) Where the holder of a policy--

(a) lodges with an authorised insurer a declaration in which he declares that a certificate of insurance or cover note issued to him by such insurer has been lost, destroyed, torn, soiled, defaced or mutilated and sets out full particulars of the circumstances connected with the loss or destruction of the certificate or cover note and the efforts made to find it; or

(b) returns to the authorised insurer the certificate of insurance or cover note issued to him by such insurer in a torn, soiled, defaced or mutilated condition; and

(c) pays to the insurer a fee of rupees twenty in respect of each such certificate or cover note, the authorised insurer shall, if satisfied that such certificate or cover note has been lost or destroyed and that all reasonable efforts have been made to find it, or that it has been destroyed or is soiled, defaced or mutilated, as the case may be, issue in lieu thereof a duplicate certificate of insurance or cover note with the word "Duplicate" prominently endorsed to the effect.

(2) When a duplicate certificate or cover note has been issued in accordance with the provisions of sub-rule (1) on representation that a certificate or cover note has been lost, and the original certificate or cover note is afterwards found by the holder, the original certificate or cover note, as the case may be, shall be surrendered to the insurer.

147. Records to be maintained by authorised insurers.--

Every authorised insurer shall keep a record of the following particulars in respect of every policy of insurance issued by him for a period of five years, namely:--

(i) full name and address of the person to whom the policy is issued;

(ii) in the case of a policy relating to a specified motor vehicle, the registration mark and the number of such vehicle and in other cases, description of the vehicle covered;

(iii) the date on which the policy of insurance comes into force and the date of its expiry;

(iv) the conditions subject to which the persons or classes of persons specified in the policy of insurance will be indemnified;

(v) the number and date of issue of every certificate of insurance or cover note issued in connection with the policy of insurance;

(vi) the date, if any, on which any duplicate certificate of insurance or cover note was issued;

(vii) whether, after the issue of duplicate, the original certificate of insurance was found and subsequently surrendered to the insurer and if so, on which date.

148. Records of exempted vehicles.--

(1) In the case of a motor vehicle owned by any of the authorities specified in sub-section (2) of section 146 as also in the case of motor vehicles exempted under sub-section (3) of section 146, a certificate in Form 53 signed by a person authorised in that behalf by such authorities may be produced in evidence that the motor vehicle is not being driven in contravention of section 146.

(2) The authority referred to in sub-section (2) or exempted under sub-section (3) of section 146 shall keep a record of the motor vehicles owned by it in respect of which a policy of insurance has not been obtained and of any certificates issued by it under these provisions in respect of such vehicles, and of the names and addresses of the persons to whom such certificates have been issued and of the cancellation of any such certificates.

149. Supply of information.--

Any person, authority or authorised insurer required under the provisions of this Chapter to keep records of the documents shall furnish on request without any charge any particulars thereof to the Central Government or a State Government or to any police officer authorised in this behalf by the State Government.

150. Furnishing of copies of reports to Claims Tribunal.--

(1) The police report referred to in sub-section (6) of section 158 shall be in Form 54.

(2) A registering authority or a police officer who is required to furnish the required information to the person eligible to claim compensation under section 160, shall furnish the information in Form 54, within seven days from the date of receipt of the request and on payment of a fee of rupees ten.

151. Establishment of fund.--

(1) Each of the authorities referred to in subsection (3) of section 146 shall establish a fund for meeting any liability arising out of the use of any motor vehicle of that authority or any person in its employment may incur to third parties including liability arising under the Workmen's Compensation Act, 1923 (8 of 1923).

152. Amount of the fund.--

(1) The fund shall be established with an initial amount of not less than rupees five lakhs and the said amount shall be kept in deposit with a bank or the Government.

(2) Subject to the provisions of sub-rule (3), the authority shall pay into the fund at the beginning of each accounting year in respect of its vehicles in running condition a sum of not less than rupees two hundred per vehicle.

Explanation.--In this sub-rule "vehicles in running condition" means all the vehicles of the authority which are expected to be in operation at any time during the accounting year.

(3) When the fund exceeds rupees twenty lakh or rupees two thousand and five hundred per vehicle for the entire fleet of vehicles, whichever is less, annual payment referred in sub-rule (2) shall cease provided that if thereafter the amount at the credit of the fund falls below rupees

twenty lakhs or rupees two thousand and five hundred per vehicle for the entire fleet of vehicles, whichever is less, such annual payment shall again be resumed:

Provided that if any authority other than the Central Government is of opinion that the amount of rupees twenty lakhs or rupees two thousand and five hundred per vehicle for the entire fleet of vehicles, whichever is less, is not adequate, it may, with the previous approval of the Central Government continue the annual payment beyond rupees twenty lakh or rupees two thousand and five hundred per vehicle, as the case may be.

153. Investment of the fund.--

From the amount at the credit of the fund the authority shall keep and maintain a cash deposit of not less than rupees fifty thousand in the bank and the rest of the amount at the credit of the fund shall be invested in Government securities.

154. Securities held as a deposit in the fund.--

(1) All Government securities in which the fund is invested shall be transferred to the bank by the authority.

(2) It shall be competent for the authority at any time to exchange the Government securities for cash or for other Government securities of equal or greater market value, or both, and the bank shall carry out the instructions issued by the authority for such exchange after charging the usual commission to the authority. The securities so exchanged shall also be transferred to the bank.

155. Deposit procedure.--

(1) As soon as the fund is established, the bank shall send to the authority a statement specifying the assets held by it on behalf of the authority and shall also send a copy thereof to the Central Government in the Ministry of Surface Transport or the State Government concerned, as the case may be.

(2) The statement referred to in sub-rule (1) shall be sent in the same manner and to the same authorities whenever there is a change in the assets of the authorities held by the bank.

156. Interest on deposits.--

Interest realised on each deposit or the securities held in the fund shall be paid by the bank to the authority.

157. Withdrawal.--

(1) No amount shall be withdrawn from the fund except for the purpose of meeting any liability arising out the use of any motor vehicle of the authority which the authority or any person in the employment of the authority may incur to third parties including liability arising under the Workmen's Compensation Act, 1923 (8 of 1923).

(2) The authority shall, subject to such conditions and restrictions as it may impose in this behalf, authorise one of its officers to draw money from the fund for the purpose mentioned in sub-rule (1).

(3) A copy of the authorisation referred to in sub-rule (2) duly authenticated by a competent officer of the authority shall be sent to the bank which shall permit withdrawal only by the officer named in such authorisation subject to the conditions and restrictions contained therein.

158. Settlement of claims.--

The authority shall comply with such directions as the Central Government or the State Government, as the case may be, may, from time to time, issue, with respect to the procedure to be followed for settlement of claims which are to be met out of the funds.

Foreign Insurance

159. List of foreign insurers.--

(1) The Central Government shall publish in the Official Gazette a list (hereinafter referred to as the approved list) of foreign insurers who have been guaranteed in accordance with the provisions of this Chapter, together with the name of the guarantor or guarantors in each case and shall also publish from time to time any addition to or removal from the approved list.

(2) No foreign insurer's name shall be added to the approved list until such foreign insurer has been guaranteed by at least one insurer and the name of the foreign insurer who ceases to have at least one guarantor shall be removed from the list.

160. Guarantor of foreign insurer.--

(1) An insurer who desires to guarantee a foreign insurer shall make application therefor to the Central Government in Form 55.

(2) The Central Government may, if it is satisfied that the application referred to in sub-rule (1) is in order and that it is expedient that the foreign insurer be placed in the approved list or, where the name of the foreign insurer is already included in the approved list, that the insurer should be added to the approved list as guarantor of the foreign insurer, and the name of the foreign insurer to the approved list if it is not already included, and include the insurer as a guarantor of such foreign insurer.

(3) A guarantor desiring to cease guaranteeing a foreign insurer shall give notice of not less than two months to the Central Government in Form 56, and where such notice has been given, the guarantor shall be deemed to have ceased to guarantee the foreign insurer from the date specified in the notice:

Provided that the insurer shall be deemed, in respect of all certificates of foreign insurance endorsed or renewed in accordance with the provisions of sub-rule (2) of rule 161 before the date of such cessation, to continue as the guarantor of the foreign insurer who has issued the certificate as if the guarantor had not ceased to be his guarantor.

(4) If at any time a guarantor ceases to be an insurer, the Central Government may, after giving such notice as may appear to it to be necessary, remove from the approved list the name of such guarantor wherever it appears:

Provided that the guarantor who ceases to be an insurer shall be deemed, in respect of all certificates of foreign insurance endorsed in pursuance of the provisions of sub-rule (2)

of rule 161 before the date of removal of the name of the guarantor from the approved list, to continue as the guarantor of the foreign insurers as if the guarantor had not ceased to be an insurer and as if his name had not been removed from the list.

161. Endorsement of certificate of foreign insurance.--

(1) A visitor wishing to have a certificate of foreign insurance endorsed or re-endorsed shall produce such certificate in Form 57 before the Customs Collector at a port of entry or land customs post or to such other officer as the Central Government may, by notification in the Official Gazette appoint, for the purpose of endorsement in accordance with the provisions of this Chapter or for the purpose of the renewal of any endorsement already made on the certificate in accordance with this chapter.

(2) Such officer shall, if satisfied that the certificate of foreign insurance complies with the requirements of the provisions of this Chapter, that the period of validity of such certificate in India has not expired, that the certificate has been issued by a foreign insurer in the approved list and that the guarantor specified in the certificate is shown in the approved list as a guarantor of the foreign insurer, make an endorsement thereon in Form 58.

(3) The period of validity of an endorsement or of the renewal of an endorsement made as aforesaid shall not in any case extend beyond the date on which the certificate of foreign insurance ceases to be effective in India:

Provided that when a visitor obtains a fresh certificate of foreign insurance during the period of his stay in India, the period of validity of an endorsement made upon it added to the period of validity of an endorsement or endorsements that may have been made upon the original certificate, shall not exceed one year in all.

162. Validity of certificate of foreign insurance.--

A certificate of foreign insurance carrying an endorsement in accordance with the provisions of rule 161 shall have effect as if it were a certificate of insurance issued by the guarantor specified in it and shall be deemed to comply with the requirements of Chapter XI of the Act; and the policy to which it relates shall also be deemed to have been issued by such guarantor and to comply with the requirements of Chapter XI of the Act.

163. Maintenance of records by the guarantor.--

Every guarantor shall in respect of certificates of foreign insurance issued under his guarantee by the foreign insurer whom he has guaranteed and every person who has ceased to be a guarantor shall, in respect of the certificate of foreign insurance issued under his guarantee by the foreign insurer whom he had guaranteed at any time in the preceding five years, keep a record of such particulars relating to the policies in connection with which the certificates of foreign insurance were issued as are required to be kept by insurers under the provisions of rule 147 in respect of policies, and the necessary additions to those records required to make them up-to-date shall be made as soon as is reasonably possible in the circumstances.

CHAPTER VIII

OFFENCES, PENALTIES AND PROCEDURE

164. Offences for the purpose of section 208.

The offences for the purpose of sub-section (1) of Section 208 shall be--

- (a) Driving during the period of disqualification (section 23);
- (b) Failure to stop the vehicle when it is involved in an accident (section 132);
- (c) Obtaining or applying for a driving licence without giving particulars of endorsement (section 182);
- (d) Driving dangerously (section 184);
- (e) Driving while under the influence of drinks or drugs (section 185);
- (f) Abetment of an offence under section 184 or section 185 or section 188;
- (g) Taking part in unauthorised race or trial of speed of any kind (section 189);
- (h) Altering a driving licence or using an altered licence;
- (i) Any other offence punishable with imprisonment in the commission of which a motor vehicle was used.

¹[FORM 1

[See rule 5(2)]

APPLICATION-CUM-DECLARATION AS TO PHYSICAL FITNESS

- 1. Name of the applicant
- 2. Son/wife/daughter of
- 3. Permanent address
- 4. Temporary address
- Official address (if any)
- 5. (a) Date of birth
- (b) Age on date of application
- 6. Identification marks (1)

(2).....

Declaration,

- | | |
|---|--------|
| (a) Do you suffer from epilepsy or from sudden attacks of loss of consciousness or giddiness from any cause ? | Yes/No |
| (b) Are you able to distinguish with each eye (or if you have held a driving licence to drive a motor vehicle for a period of not less than five years and if you have lost the sight of one eye after the said period of five years and if the application is for driving a light motor vehicle other than a transport vehicle fitted with an outside mirror on the steering wheel side) or with one eye, at a distance of 25 metres in good day light (with glasses, if worn) a motor car number plate? | Yes/No |
| (c) Have you lost either hand or foot or are you suffering from any defect of muscular power of either arm or leg? | Yes/No |
| (d) Can you readily distinguish the pigmentary colours, red and green? | Yes/No |
| (e) Do you suffer from night blindness? | Yes/No |
| (f) Are you so deaf so as to be unable to hear (and if the application is for driving a light motor vehicle, with or without hearing aid) the ordinary sound signal? | Yes/No |
| (g) Do you suffer from any other disease or disability likely to cause your driving of a motor vehicle to be a source of danger to the public, if so, give details | Yes/No |

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

(Signature or thumb impression of the Applicant)

Notes.--(1) An applicant who answers "Yes" to any of the questions (a), (c), (e), (f) and (g) or "No" to either of the questions (b) and (s) should amplify his answers with full particulars, and may be required to give further information relating thereto.

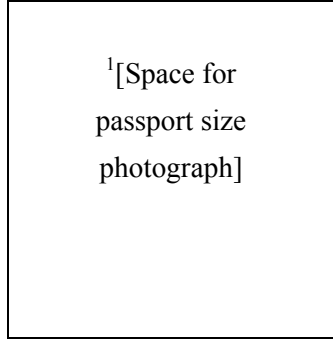
(2) This declaration is to be submitted invariably with medical certificate in Form 1A.

Footnote:

1. Subs. By G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 1A

[See rules 5(1), (3), 7, 10(a), 14(d) and 18(d)]
MEDICAL CERTIFICATE



[To be filled in by a registered medical practitioner appointed for the purpose by the State Government or person authorised in this behalf by the State Government referred to under sub-section (3) of section 8]

- 1. Name of the applicant
- 2. Identification marks (1)
(2)
- 3. (a) Does the applicant, to the best of your judgment, suffer from any defect of vision? If so, has it been corrected by suitable spectacles. Yes/No
(b) Can the applicant, to the best of your judgment, readily distinguish the pigmentary colours, red and green? Yes/No
(c) In your opinion, is he able to distinguish with his eyesight at a distance of 25 metres in good day light a motor car number plate? Yes/No
(d) In your opinion, does the applicant suffer from a degree of deafness which would prevent his hearing the ordinary sound signals? Yes/No
(e) In your opinion, does the applicant suffer from night blindness? Yes/No
(f) Has the applicant any defect or deformity or loss of member which would interfere with the efficient performance of his duties as a driver? If so, give your reasons in details. Yes/No

(g) Optional

- (a) Blood group of the applicant (if the applicant so desires that the information may be noted in his driving licence).
 - (b) RH factor of the applicant (if the applicant so desires that the information may be noted in his driving licence).
-

Declaration made by the applicant in Form I as to his physical fitness is attached.

²[Certificate of Medical Fitness

I certify that--

- (i) I have personally examined the applicant Shri/Smt./Kum.....
- (ii) that while examining the applicant I have directed special attention to his/her distant vision;
- (iii) while examining the applicant, I have directed special attention to his/ her hearing ability, the condition of the arms, legs, hands and joints of both extremities of the applicant; and
- (iv) I have personally examined the applicant for reaction time, side vision and glare recovery, (applicable in case of persons applying for a licence to drive goods carriage carrying goods of dangerous or hazardous nature to human life).

And, therefore, I certify that, to the best of my judgment, he is medically fit/ not fit to hold a driving licence.]

The applicant is not medically fit to hold a licence for the following reasons:--

.....

Signature:

1. Name and designation of the Medical Officer / Practitioner

(seal)

2. Registration number of Medical Officer.

Date :.....

Signature or thumb impression of the candidate."

³[Note 1.--] The medical officer shall affix his signature over the photograph affixed in such a manner that part of his signature is upon the photograph and part on the certificate.]

⁴[2. Dumb persons without deafness may be granted a valid certificate of driving licence for non-transport vehicle.]

Footnotes:

1. Ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).

2. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

3. Note renumbered as Note 1 thereof by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).

4. Ins. by G.S.R. 111 (E), dated 10th February, 2004 (w.e.f. 10-8-2004).

¹[FORM 2

[See rule 10]

FORM OF APPLICANT FOR THE GRANT OF LEARNER'S LICENCE

To
The Licensing Authority,
.....



I hereby apply for a licence authorising me to drive as a learner, the following motor vehicle(s):-

- (a) Motor cycle without gear
- (b) Motor cycle with gear
- (c) Invalid Carriage
- (d) Light Motor vehicle
- (e) Transport Vehicle
- (f) Road roller
- (g) Motor vehicle of a specified
description, namely

PARTICULARS TO BE FURNISHED BY APPLICANT

- 1. Full Name
- 2. Son/Wife/daughter of
- 3. Permanent address

(Electoral Roll/Life Insurance)

Policy/Passport/ Pay slip issued by any office of the Central Government/State Government or a local body/ Any other document or documents as may be prescribed by the State

Government/Affidavit sworn before an Executive Magistrate or a First Class Judicial Magistrate or a Notary Public to be enclosed)

4. Temporary address/Official address, if any

5. Duration of stay at the present address

6. Date of birth

(Birth certificate / school certificate/ affidavit sworn before an Executive Magistrate or a First Class Judicial Magistrate or a Notary Public to be enclosed)

7. Place of birth

8. If place of birth out side India, When migrated to India

9. Educational Qualification

10. Identification mark(s) 1

2

11. Declaration of citizenship status

²[(i) If deemed Citizen or Citizen by Birth,

.....

(any one of the following in support of Citizenship as Indian to be enclosed):-

(a) Proof of birth in India from municipality or Registrar of Births and Deaths;

(b) School leaving certificate/Secondary School certificate showing nationality/place of birth;

(c) Passport showing place of birth/citizenship/ nationality;

(d) Certificate of Nationality/citizenship issued by District Magistrate or any other Administrative officer;

(e) Residency Permit/domicile certificate issued by the State Government;

(f) Grant of patta/lease of property by the Central/State Government;

(g) Refugee Registration Card pertaining to the period 1947-1950;

(h) Certificate of SC/ST/OBC.]

(ii) If Citizenship is acquired by
Descent/Registration (In case
Citizenship acquired by Descent, Birth
Certificate, land/property document of
parent/ in case of citizenship acquired
by registration, certificate to be
enclosed)

(iii) If Citizenship by Naturalization
(Certificate of Naturalization and
Certificate of Registration to be
enclosed)

(iv) If non-Indian Citizen (Valid
passport or other travel documents and
such other document or authority as
may be prescribed by law to be
enclosed)

12. Blood GroupRH (Rhesus) factor

13. I hold an effective driving licence
to drive: Motor cycle / light motor
vehicle /transport Vehicle with effect
from

14. Particulars of any driving licence
previously held by applicant.
Whether it was cancelled and if so, for
what reason

15. Particular's of any learner's licence
previously held by applicant in respect
of the description of vehicle to which
the applicant has applied.

16. Have you been disqualified for
holding or obtaining driving licence or
learner's licence. If so, for what
reasons

17. I enclose three copies of my recent photograph (passport size photograph)

18. I enclose medical fitness certificate dated.....issued by.....(doctor).

19. I have submitted along with my earlier application for learner's licence/I enclose
the written consent of parent/guardian (in the case of applicant being a minor).

20. I enclose driving certificate dated.....issued by(Name and address
of the driving school).

21. I have paid the fee of Rs.....

22. I am exempted from the medical test under rule 6 of the Central Motor Vehicles
Rules, 1989.

23. I am exempted from the preliminary test under rule 11(2) of the Central Motor
Vehicles Rules, 1989.

* Strike out whichever is inapplicable.

Date.....

**Signature or thumb impression of
Applicant**

Specimen signature or thumb impression of Applicant

1.....

2.....

Declaration under sub-section (2) of section 7 of the Motor Vehicles Act, 1988

Shri/Smt/Kumari Son/daughter of; who is a minor is under my care and I
accept responsibility for his/her driving. If at a later date I decide not to accept responsibility for his/her
driving I shall intimate the licensing authority in writing for the cancellation of the licence. I give my
consent for his/her obtaining learner's licence.

Signature.....

Name and full address of the parent/guardian

.....

.....

Relationship.....

(To be signed in the presence of the licensing authority or person authorized in this behalf by the licensing authority).

For official use

The applicant is exempted from the medical test under rule 6 and the preliminary test under rule 11(2) of the Central Motor Vehicles Rules, 1989.

Learner's licence may be issued.

The applicant was tested with reference to rule 11(1) of the Central Motor Vehicles Rules, 1989. He has passed the test. Learner's licence may be issued.

Learner's licence may be refused.

Signature of licensing authority or other

Person authorized in this behalf

* Strike out whichever is inapplicable.

Note:- The application along with the scanned copies of the required documents may also be sent to the concerned Licensing Authority through Electronic Mail, if allowed by the concerned State Government/ Union Territory Administration.

In such cases, the Licensing Authority shall scrutinise the application and intimate the applicant about the acceptance/any discrepancy.

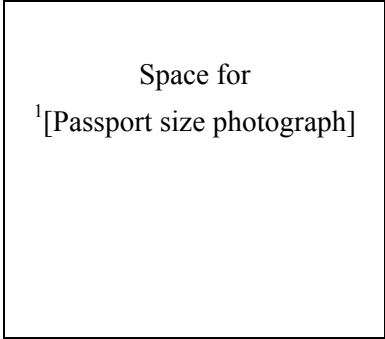
In case the application is accepted, the applicant shall be intimated through Electronic Mail to report to the Authority concerned on an appointed date along with the documents for further verification, submission of application fee and examination of the applicant.]

Footnotes:

1. Substituted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.
2. Substituted by the Central Motor Vehicles (Third Amendment) Rules, 2009 for the following : -

"(i) If deemed Citizen or Citizen by Birth (Birth certificate and, school certificate in support of Citizenship as Indian to be enclosed)"

FORM 3
[See rules 3(a) and 13]
LEARNER'S LICENCE



Licence No.....

Date.....

Name to be written across the photograph Specimen

signature/thumb impression of the holder of the licence.

Signature and seal of the licensing authority

1. Name

2. Son/wife/daughter of

3. Date of birth

²[4. Optional Blood group

RH factor

5. Present/Permanent address Temporary /Official (if any)

6. Mark(s) of identification (1)

(2).....

is licensed to drive throughout India as a learner subject to the provisions of rule 3 of the Central Motor Vehicles Rules, 1989, a motor vehicle of the following description:--

The holder of the licence has passed the medical test under rule 5 and the preliminary test referred

to in rule 11(1) of the Central Motor Vehicles Rules, 1989.

The holder of the licence is exempted from the medical test under rule 6 and from preliminary test under rule 11(2) of the Central Motor Vehicles Rules, 1989.

This licence is valid from to

*Strike out whichever is inapplicable.

Signature and designation of the Licensing Authority

Warning.--The attention of the holder of this licence is drawn to rule 3 of the Central Motor Vehicles Rules, 1989, which prohibits him from driving any motor vehicle unless he has besides him a person duly licensed to drive the vehicle and in every case, the vehicle carries "L" plates both in the front and in the rear of the vehicle.

Footnotes:

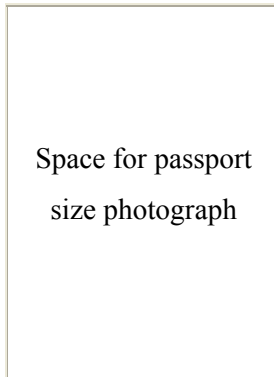
1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
2. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).

¹[FORM 4

[See rule 14(1)]

FORM OF APPLICANT FOR LICENCE TO DRIVE A MOTOR VEHICLE

To
The Licensing Authority,
.....
.....



I apply for a licence to enable me to drive vehicles of the following description:

- (a) Motor cycle without gear
- (b) Motor cycle with gear

- (c) Invalid Carriage
- (d) Light Motor vehicle
- (e) Transport Vehicle
- (f) Road roller
- (g) Motor vehicles of the following description, namely

PARTICULARS TO BE FURNISHED BY APPLICANT

- 1. Full Name
- 2. Son/Wife/daughter of
- 3. Permanent address
- (Electoral Roll/Life Insurance Policy/Passport/
Pay slip issued by any office of the Central
Government/State Government or a local
body/ Any other document or documents as
may be prescribed by the State
Government/Affidavit sworn before an
Executive Magistrate or a First Class Judicial
Magistrate or a Notary Public to be enclosed)
- 4. Temporary address/Official address, if any
- 5. Duration of stay at the present address
- 6. Date of birth (Birth certificate / school
certificate/ affidavit sworn before an Executive
Magistrate or a First Class Judicial Magistrate or
a Notary Public to be enclosed)
- 7. Place of birth
- 8. If place of birth out side India, When migrated
to India
- 9. Educational Qualification
- 10. Identification mark(s) 1.....

11. Declaration of citizenship status

²[(i) If deemed Citizen or Citizen by Birth,

(any one of the following in support of
Citizenship as Indian to be enclosed):-

(a) Proof of birth in India from
municipality or Registrar of Births and
Deaths;

(b) School leaving certificate/Secondary
School certificate showing
nationality/place of birth;

(c) Passport showing place of
birth/citizenship/ nationality;

(d) Certificate of Nationality/citizenship
issued by District Magistrate or any other
Administrative officer;

(e) Residency Permit/domicile certificate
issued by the State Government;

(f) Grant of patta/lease of property by the
Central/State Government;

(g) Refugee Registration Card pertaining
to the period 1947-1950;

(h) Certificate of SC/ST/OBC.]

(ii) If Citizenship is acquired by

Descent/Registration (In case Citizenship
acquired by Descent, Birth Certificate,
land/property document of parent/ in case of
citizenship acquired by registration, certificate
to be enclosed)

(iii) If Citizenship by Naturalization

(Certificate of Naturalization and Certificate

of Registration to be enclosed)

(iv) If non-Indian Citizen (Valid passport or
other travel documents and such other
document or authority as may be prescribed by
law to be enclosed)

12. Blood group
(RH (Rhesus) factor

13. Have you previously held driving licence? If
so, give details.

14. Particulars and date of every conviction
which has been ordered to be endorsed on any
licence held by the applicant

15. Have you been disqualified for obtaining a
licence to drive? If so, for what reasons

16. Have you been subject to a driving test as to
your fitness or ability to drive a vehicle in
respect of which a licence to drive is applied for?
If so, give the following details

Date of test	Testing authority	Result of test
1.		
2.		
3.		
4.		

17. I enclose three copies of my recent passport size photograph (where
laminated card is used no photographs are required).

18. I enclose the learner's licence No.....dated.....issued by the licensing
authority.

19. I Enclose the driving certificate No.....dated.....issued

by.....

20. I have submitted along with my application for learner's licence the written consent of parent/guardian. 21. I have submitted along with the application for learner's licence/I enclose the medical fitness certificate.

22. I am exempted from the medical test under rule 6 of the Central Motor Vehicles Rules, 1989.

23. I am exempted from preliminary test under rule 11(2) of the Central Motor Vehicles Rules, 1989.

24. I have paid the fee of Rs.....

* Strike out whichever is inapplicable.

Date.....

Signature/Thumb impression

CERTIFICATE OF TEST OF COMPTENENCE TO DRIVE

The applicant has passed the test prescribed under rule 15 of the Central Motor Vehicles Rules, 1989. The test was conducted on (here enter the registration mark and description of the vehicle).....on (date)

The applicant has failed in the test.

(The details of the deficiency to be listed out)

Date.....

Signature of Testing Authority

.....
.....

Full name and designation

Two specimen signatures of applicant:

1

*Strike whichever is inapplicable.

Note:- The application along with the scanned copies of the required documents may also be sent to the concerned Licensing Authority through Electronic Mail, if allowed by the concerned State Government/ Union Territory Administration.

In such cases, the Licensing Authority shall scrutinise the application and intimate the applicant about the acceptance/any discrepancy.

In case the application is accepted, the applicant shall be intimated through Electronic Mail to report to the Authority concerned on an appointed date along with the documents for further verification, submission of application fee and examination of the applicant.]

Footnotes:

- 1. Substituted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.
- 2. Substituted by the Central Motor Vehicles (Third Amendment) Rules, 2009 for the following : -

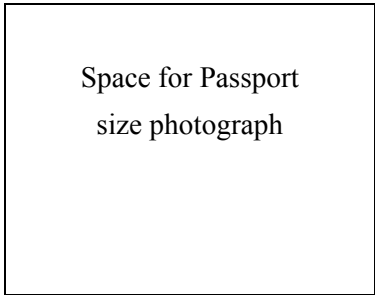
"(i) If deemed Citizen or Citizen by Birth (Birth certificate and school certificate in support of Citizenship as Indian to be enclosed)"

¹[FORM 4A

[See rule 14 (2)]

FORM OF APPLICATION FOR ISSUE OF INTERNATIONAL DRIVING PERMIT TO DRIVE A MOTOR VEHICLE IN OTHER COUNTRIES

To
The Licensing Authority.
.....
.....



I apply for an International Driving Permit to enable me to drive vehicles of the following categories:

CATEGORIES OF VEHICLES FOR WHICH THE PERMIT IS APPLIED FOR

(A) Motor Cycles Category L1 and Category L₂;

(B) Motor vehicles, other than those in category (A) above, having a permissible maximum mass/weight not exceeding 3,500 KG (7700 Ib) and not more than eight seats in addition to the driver's seat in Category M₁;

(C) Motor vehicles used for the carriage of goods and whose permissible maximum mass/weight exceeds 3,500 KG (7700 Ib);

(D) Motor vehicles used for the carriage of passengers and having more than eight seats in addition to the driver's seat;

(E) Combination of vehicles of which the driving vehicle is in a category or categories for which the driver is licensed (B and/or C and/or D), but which are not themselves in that category or categories.

PARTICULARS TO BE FURNISHED BY APPLICANT

1. Name
(Surname) (Middle Name) (First Name)
2. Father's or Husband's name
3. Place of Birth and Country (Proof to be enclosed)
4. Address: (a) Present
.....
(b) Permanent
.....
.....
5. Date of birth (proof to be enclosed)
6. Educational Qualification
7. Identification marks (1)
(2)
8. Blood group/RH factor
9. Have you previously held International Driving Permit? If so, give details.

10. Particulars and date of every conviction which has been
ordered to be endorsed on any driving licence held by the
applicant

11. Have you been disqualified for obtaining a driving licence to
drive? If so, for what reason?

12. Have you been subjected to a driving test as to your fitness or
ability to drive a vehicle in respect of which a driving licence is
applied for? If so, give the following details:

Date of test	Testing authority	Result of test
(1)		
(2)		
(3)		
(4)		

13. I enclose three copies of my recent passport size photograph.

14. I enclose the copy of driving licence No..... dated..... Issued
by..... Valid up to.....

15. I enclose a medical certificate in Form 1A.

16. I have paid the fee of Rs.

I hereby declare that the particulars given above are true to the best of my knowledge and
belief.

Date.....

Signature/Thumb impression of Applicant.]

Strike out whichever is inapplicable.

Footnote:

1. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).

FORM 5

¹[See rules 14(e), 17(1)(b), 27(d) and 31A(2)]

DRIVING CERTIFICATE ISSUED BY DRIVING SCHOOL OR ESTABLISHMENTS

This is to certify that Shri/Smt./ Kumari.....son/wife/ daughter
of..... residing at.....was enrolled in this school

on..... and his/her name is registered at serial number.....in our register in Form 14 and that he/she has undergone the course of training in driving of..... (mention class of vehicle) according to the syllabus prescribed for a period from..... to.....satisfactorily.

I am satisfied with his/her physical fitness and sense of responsibility.

Signature.....

Name and designation.....

Name and address of the driving school with

.....

.....

licence number and date of issue.

Footnote:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 6

[See rule 16 (1)]

(To be printed in book form of the size six centimetres by eight centimetres)

FORM OF DRIVING LICENCE

Name of the licence holder.....

Son/ wife/ daughter of

¹[Passport size
photograph]

Name to be written across the photograph
(Part of the seal and signature of the licensing authority to be on the photograph and part on the driving licence).
Specimen signature/thumb impression of the holder of the licence
Signature and designation of the Licensing Authority

Driving licence number
 Date of issue
 Name
 Son/wife/daughter of
 Temporary address/official address (if any)
 Permanent address
 Date of birth
 Educational qualifications
¹[Optional Blood group
 RH factor]

The holder of this licence is licensed to drive throughout India vehicles of the following description:--

²[Motor cycle without gear]

Motor cycle with gear

Invalid carriage

Light motor vehicle

³[Transport vehicle]

⁴[Medium passenger motor vehicle

⁵[***]]

A motor vehicle of the following description :

The licence to drive a motor vehicle other than transport vehicle is valid from to

The licence to drive transport vehicle is valid from to

Name and designation of the authority who conducted the driving test

Signature and designation of the Licensing Authority.

Authorisation to drive transport vehicle

Number..... Date.....

Authorised to drive transport vehicle with effect from

Badge number.....

Signature.....

Designation of the Licensing Authority.

Name and designation of the authority who conducted the driving test.

Space for, addition of other classes of vehicles

Number..... Date.....

Also authorized to drive the following class or description of motor vehicles:

Name and designation of the authority who conducted the driving test. Signature and designation of Licensing Authority.

Date.....

Space for renewal of driving licence

The licence to drive a motor vehicle other than transport vehicle is hereby renewed.

The licence to drive transport vehicle is hereby renewed

From to

From to

Signature of Licensing Authority

Signature of Licensing Authority

From to

Signature of Licensing Authority

From to

Signature of Licensing Authority

Space for endorsement by court

Date Section and Rule Fine or other Signature of the endorsing authority punishment

(1) (2) (3) (4)

Space for endorsement by licensing authority

Date	Proceedings number and date	Disqualification From	period to	Signature of Licensing Authority
(1)	(2)	(3)		(4)

Footnotes:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
2. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
3. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999); by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
4. Omitted by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
5. Omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).

¹[FORM 6A

[See rule 16 (4)]

REPUBLIC OF INDIA

INTERNATIONAL MOTOR TRAFFIC

INTERNATIONAL DRIVING PERMIT

No.....

Valid until..... (Maximum for 1 year or up to the date of validity of driving licence whichever is earlier)

Name and Designation of Issuing Authority

Place of Issue

Date of Issue

Driving licence No. and valid upto

Seal of the Authority

Signature of Issuing Authority

White colour

This permit is not valid for the territory of

(1).....

The categories of vehicles for the driving of which it is valid are mentioned in this form at paragraph B.

(2) This permit shall in no way exempt the holder from the obligation to conform to the laws and regulations relating to residence and the exercise of a profession in each State through which he travels. In particular, it shall cease to be valid in a State if it holder establishes his normal residence there.

English and
French versions

A. PARTICULARS CONCERNING THE DRIVER

(1) Surname/First name/Middle Name/.....

(2) Father's or husband's Name.....

(3) Place of Birth and Country.....

(4) Date of Birth/approximate age.....

(5) Address

(a) Current Address.....

(b) Permanent Address.....

(6) Blood Group/RH Factor.....

B. CATEGORIES OF VEHICLES FOR WHICH THE PERMIT IS VALID

(A) Motor Cycles Category L1 and Category L2;

(B) Motor vehicles, other than those in category (A) above, having a permissible maximum mass/weight not exceeding 3,500 KG (7700 lb) and not more than eight seats in addition to the driver's seat in Category M1;

(C) Motor vehicles used for the carriage of goods and whose permissible maximum mass/weight exceeds 3,500 KG (7700 Ib);

(D) Motor vehicles used for the carriage of passengers and having more than eight seats in addition to the driver's seat;

(E) Combination of vehicles of which the driving vehicle is in a category or categories for which the driver is licensed (B and/or C and/or D), but which are not themselves in that category or categories.

Restrictive conditions of use such as:

Must wear corrective lenses.

Valid only for driving vehicle No.

Vehicle must be equipped to be driven by a one legged person.

Seal or Stamp of
the Authority below
in the appropriate
Column.

A
B
C
D

Photograph 35 x 45
MM

Seal or Stamp of the Authority

Signature or thumb print of holder

E

DISQUALIFICATIONS:--

The holder is deprived of the right to drive in the territory of (Name of country) at.....
Until.....
On.....

Signature and seal or stamp of the Authority which has invalidated the permit in its territory.

Until.....
On.....

The holder is deprived of the right to drive in the territory of (Name of the country) at.....

Signature and seal or stamp of the Authority which has invalidated the permit in its territory."

DETAILS DU CHAUFFEUR

- (1) Nom/Prenom/deuxieme nom
- (2) Nom du Pere ou de mari
- (3) Lieu de Naissance et Pays
- (4) Date de Naissance/l'age
- (5) Adresse

 - (a) L'adresse en cours
 - (b) L'adresse permanente

- (6) Groupe Sanguin/Facteur RH

CATEGORIES DES VEHICULES POUR LESQUELLES LE PERMIS EST VALUABLE

(A) Motos (L1 et L2) Categories

(B) Vehicules sauf ceux de categories A, ayant la masse maximum acceptable ne depassant pas 3,500 Kilos (7700 Ib) et pas plus que huit sieges en plus dela siege du chauffeur. (M-1) categorie.

(C) Vehicules utilises pour porter les Marchandises et dont la Masse Maximum acceptable depasse 3,500 Kilos (7700 Ib)

(D) Vehicules utilises pour porter les voyageurs et ayant plus que huit sieges en plus de la siege du chauffeur.

(E) Combination de vehicules dont le Vehicule a conduire est dans la categorie ou categories pour lesquels le chauffeur est donee le permis (B et/ou C/ou D) mais lesquels ne sont pas dans cette/ces categorie(s).

Conditions restrictives d'usage comme

-- Doit porter des verres co-rectifs.

-- Valable seulement pour le numero de vehicule a conduire.

-- Vehicule doit etre muni pour conduire par une personne ayant une jambe.

Sceau/Cachet

de l'autorite au-dessou,

dans l'espace approprie

A
B
C
D

Photograph 35 x 45
MM

Sceau ou cachet de l'autorite

Signature ou Print du pouce

E

DISQUALIFICATIONS:--

Le detenteur est deposee du droit de conduire dans le territoire (nom de province) a..... jusqu'a..... le.....
..... Signature et sceau de l'autorite qui a invalide le permis dans son territoire.

Le detenteur est deposee du droit de conduire dans le territoire (nom de province) a..... jusqu'a..... le.....
..... Signature et sceau de l'autorite qui a invalide le permis dans son territoire.]

Footnote:

1. Ins. by G.S.R. 720 (E), dated 10th September, 2003 (w.e.f. 10-10-2003).

¹[FORM 7

[See rule 16 (2)]

FORM FOR DRIVING LICENCE (LAMINATED/SMART CARD TYPE)

VISUAL INSPECTION ZONE

Driving licence No

Date of issue:

Photograph

Valid Till (Non Transport) Valid Till (Transport).....
Name.....(Surname).....(given name)..... (middle name)

Son/Daughter/Wife of..... (Surname).....(given name)..... (middle name) Address (Current)
..... Date of Birth..... (date)
(month) (year)

Authorisation to drive the following vehicle class throughout India:--

(i) Class of vehicle

(ii) Issue date (dd-mm-yyyy)

Badge Number

Blood Group and Rh Factor of the Driver

Specimen Signature/thumb impression of the licence holder

Signature of the Issuing Authority

Identification of Issuing Authority

Note.--The provision for security features like the ghost image and/or the hologram would be provided in the Visual Inspection Zone of the Licence by the concerned State Government. Card Serial Number will be printed by card manufacturer on the back side upper left corner of the card.

MACHINE READABLE ZONE

The concerned State Governments will provide the following features in the licence, in Machine Readable Zone:--

Chip Serial Number

Driving Licence No.

Date of Issue

Valid Till (Non Transport) Valid Till (Transport)

Name.....(Surname).....(given name)..... (middle name)

Son/Daughter/Wife of..... (Surname) (given name)..... (middle name)

Date of Birth (dd-mm-yyyy)

Class of vehicle

Respective date of issue

Short name of the Authority Conducted Driving Test for Respective Class of Vehicle as above

Designation of the
Authority Conducting
Driving Test for
Respective Class of
Vehicle as above

Identification of Issuing Authority.....

Endorsement Details (Provision will be made to accommodate the details of 10
Endorsements with following details)

Endorsement/Challan Number

Endorsement/Challan Date

ID Code of Authority of Endorsement

Section/Rule/Proceeding No. (Provision for 10 Sections/Rules)

Fine

Disqualification period from (dd-mm-yyyy).....

Disqualification period to (dd-mm-yyyy).....

Settlement/Review Date (dd-mm-yyyy).....

Settlement/Review Authority ID

Badge Details

Badge Number

Valid Till

Authorisation Number

Authorisation Date]

Footnote:

1. Subs. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).

FORM 8

[See rule 17 (1)]

**APPLICATION FOR THE ADDITION OF A NEW CLASS OF VEHICLE TO A
DRIVING LICENCE**

To

The licensing authority,

I, Shri/Smt./Kumari..... hereby apply for the addition of the following class/classes of motor vehicles to the attached licence:--

(a) ¹[Motor cycle without gear,]

(b) Motor cycle with gear,

(c) Invalid carriages,

(d) Light motor vehicles,

²[(e) Transport vehicles,]

(f) Medium passenger motor vehicles,

³[***]]

(i) Road rollers,

(j) Motor vehicle of the following description:

I enclose,

(a) a medical certificate in 1[Form 1A]

(b) Learner's licence in Form 3,

(c) Driving licence in Form 6/7,

(d) Driving certificate in Form 5 if the application is to drive a transport vehicle.

(e) I have paid the fee of Rs.....

Dated..... 20.....

Signature or thumb impression of the Applicant.

Certificate of test of competence to drive

The applicant has passed/failed in the test specified in rule 15 of the Central Motor Vehicles Rules, 1989. The test was conducted on a..... (here enter description of vehicle) on date.....

Signature of Testing Authority

Name and designation

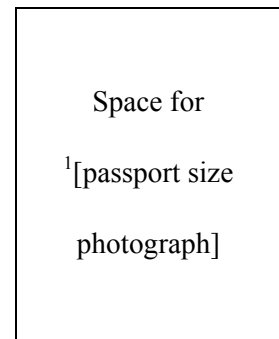
Footnotes:

- 1. Subs by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
- 2. Subs. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).
- 3. Items (g) and (h) omitted by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 20-10-1999) and ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and omitted by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).

FORM 9

[See rule 18(1)]

FORM OF APPLICATION FOR THE RENEWAL OF DRIVING LICENCE



I, Shri/Smt./ Kumari Son/wife/ daughter of..... hereby apply for the renewal of my driving licence which is attached and particulars of which are as follows:

- (a) Number
- (b) Date of issue
- (c) Licensing authority by which the licence was issued
- (d) Licensing authority by which the licence was last renewed

No. and date of renewal
(e) Class of vehicles authorised to be driven
(f) Date of expiry of licence to drive
 (i) transport vehicle
 (ii) vehicles other than transport vehicles

My present address is
.....
.....

If this address is not entered on the licence, I do/do not wish that it should be so entered.

If the licence is not attached, reasons why it is not available?

If the licence was not renewed within thirty days of the date of expiry, reasons for delay.....

The renewal of licence has not been refused by any licensing authority.

I have not been disqualified for holding or obtaining a driving licence. My licence has not been revoked.

I enclose a medical fitness certificate in ¹[Form 1A],

I enclose three copies of my recent photograph (5 cms. by 6 cms.)

I have paid the fee of Rs.

I hereby declare that to the best of my knowledge and belief the particulars given above are true.

Date.....

Signature or thumb impression of Applicant.

Name

Address

Footnote:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 10

[See rule 23 (1)]

STATE REGISTER OF DRIVING LICENCES

- 1. (a) Driving licence number and date of initial issue
- (b) Licensing authority which issued the licence
- (c) Name and designation of the officer who has taken the driving test and the date of passing the test by the holder of the licence

2. Name, address and other particulars of the holder of the driving licence:

- (a) Name of the holder (with guardian's name, if minor)
- (b) Date of birth
- (c) Educational Qualifications
- (d) Permanent Address
- (e) Temporary address/official address (if any)
- (f) Subsequent changes of address
- (g) Class and types of vehicles for which licence is given
- (h) Addition of vehicles (if any) with dates,
- (i) Date of expiry of the licence and further renewal (with details of licensing authority which renewed the licence)
- (j) Details of disqualifications, fine, cancellation, etc. in relation to the holder of the driving licence

FORM 11

[See rules 24 (1), 24 (4) and 25]

FORM OF LICENCE FOR THE ESTABLISHMENT OF A MOTOR DRIVING SCHOOL

Licence No.....

Licence is hereby granted for the establishment of a school for imparting instructions in driving of motor vehicles specified below:

- (a) Motor cycle,
- (b) Invalid carriage,
- (c) Light motor vehicle,
- (d) Medium goods vehicle,
- (e) Medium passenger motor vehicle,
- (f) Heavy goods vehicle,
- (g) Heavy passenger motor vehicle,
- (h) Motor vehicles of the following description:

by..... (Name and address of the licence holder) at.....
..... (premises of the school) the school being known as the..... subject to the provisions of the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989.

The licence is valid from..... to.....

Dated.....

Licensing Authority

This licence is hereby renewed from..... to.....

Licensing Authority

FORM 12

[See rule 24 (2)]

**FORM OF APPLICATION FOR A LICENCE TO ENGAGE IN THE
BUSINESS OF IMPARTING INSTRUCTIONS IN DRIVING OF
MOTOR VEHICLES**

To

The Regional Transport Officer,

.....
.....
.....

The undersigned hereby applies for obtaining a licence to run the business of imparting instructions in driving of motor vehicles:

1. Full name of the applicant
2. Son/wife/daughter of
3. Address
4. Place where the applicant desires to start his business
5. ¹[Nature and extent of facilities available]
6. Qualifications of staff engaged for imparting instructions
- ¹[7. Make and model of engines to be used for training purposes].
8. Details of the registration marks of the vehicles used for imparting driving instruction
9. I have paid the fee of Rs.

Dated.....

Signature of the Applicant.

Footnote:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 13

[See rules 24 (2) and 25]

FORM OF APPLICATION FOR RENEWING A LICENCE TO ENGAGE IN THE BUSINESS OF IMPARTING INSTRUCTIONS IN DRIVING OF MOTOR VEHICLES

To

The Regional Transport Officer,

.....

.....

The undersigned hereby applies for renewal of a licence to run the business of imparting instructions in driving of motor vehicles:

- 1. Full name of the applicant
- 2. Son/wife/daughter of
- 3. Address
- 4. Place of business
- 5. Number of existing licences
- 6. Date of issue
- 7. Period of validity
- 8. Whether the application has been made before the expiry of existing licence, if not, the reasons for delay
- 9. Whether the earlier licence was suspended/ cancelled for any reason, details thereof such as date of suspension, reasons for such suspension/cancellation. Date of revocation of suspension/cancellation.
- 10. I have paid the fee of Rs.

Dated

Signature of the Applicant.

FORM 14

¹[See rule 27 (a)]

REGISTER SHOWING THE ENROLMENT OF TRAINEE(S) IN THE DRIVING SCHOOL ESTABLISHMENTS

Register for the year.....

1. Enrolment number
2. Name of the trainee with his photograph
3. Son/wife/daughter of
4. Address : (a) Permanent address
- (b) Temporary address/Official address (if any)
5. Date of birth
6. Class of vehicle for which training imparted
7. Date of enrolment
8. Learner's licence number and date of its expiry
9. Date of completion of the course
10. Date of passing the test of competence to drive
11. Driving licence number and date of issue and the licensing authority which issued the licence
12. Remarks
13. Signature of the licence holder/instructor

Footnote:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 15

[See rule 27 (i)]

REGISTER SHOWING THE DRIVING HOURS SPENT BY A TRAINEE

Name of the school/establishment

Name of the trainee

Enrolment number

Date of enrolment

Date	Hours spent in actual driving From..... hrs. To..... hrs.	Class of vehicle	Signature of the instructor	¹[Signature or thumb impression of the trainee]
1	2	3	4	5
1.				
2.				
3.				
4.				
5.				

Footnote:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).

FORM 16

[See rule 34 (1)]

FORM OF APPLICATION FOR GRANT OR RENEWAL OF TRADE CERTIFICATE

To

The Registering Authority,

.....

.....

I/We hereby apply for issue of/renewal of a trade certificate(s):

1. Applicant's name

2. Son/wife/daughter of
3. Applicant's full address (proof to be attached)
4. Whether the applicant is a manufacturer or dealer in motor vehicles, approved repairer of vehicles, engaged in building bodies to vehicles, engaged in the business of hire purchase/lease/hypothecation of vehicles.
5. Number of certificates required
6. Class of motor vehicle(s) in respect of which each certificate(s) is required
7. Amount of fee paid
8. If the application is for renewal, indicate the trade certificate No., date of issue and date of expiry in respect of which renewal is applicable

Declaration

I/we do hereby declare that the trade certificate(s) is/are required by me/us for bona fide trade purpose.

Place..... Signature of the Applicant

Date.....

*Strike out whichever is inapplicable.

FORM 17

[See rule 35 (1)]

FORM OF TRADE CERTIFICATE

(To be printed in diameter shape of 70 millimetres)

Trade Certificate

1. Serial number of certificate
2. Full name and address of certificate holder
3. Trade number assigned in respect of the certificate
4. Class of motor vehicle in respect of which the certificate is to be used
5. Date of expiry of certificate
6. Amount of fee paid

7. Date and stamp of office of issue

Station.....

Date.....

Registering Authority of Region/State

Valid throughout India

SCHEDULE

Form of folder for the certificate

The folder shall be of metal and be weather-proof. It shall be circular in shape and conform to the following dimensions:--

Circular pattern, without cross bars--certificate tray

The certificate of standard pattern when cut along the outline of the outer of that two circles, shall fit neatly into a sheet-metal tray of suitable thickness, having a turned-up edge of sufficient depth to hold the licence and stout cover of transparent white glass.

Ring cover : A circular ring of sheet-metal shaped to fit down closely into the tray, and adopted for fixing by screws, bolts, or otherwise to the vehicle in the prescribed position. A rubber packing ring shall be arranged to fit between the ring cover and the cover glass and tray so as to render the whole carrier weather-proof.

Dimensions : The aperture within the ring-cover shall clearly exhibit the whole of the certificate lying within the inner circle of the certificate and shall have a diameter of 10 cm.

FORM 18

[See rule 38(1)]

INTIMATION OF LOSS OR DESTRUCTION OF A TRADE CERTIFICATE AND APPLICATION FOR DUPLICATE

To

The Registering Authority,

.....

.....

The trade certificate issued to me/us bearing number. and valid up to has been mutilated/soiled/lost/destroyed* in the following circumstances and is not in my possession for the reasons specified below:--

I/We surrender the *mutilated/soiled trade certificate.

I/We hereby declare that to my/our knowledge the trade certificate has not been either suspended or cancelled under the provisions of the rules and that the above certificate is not in the use of any one else. I undertake to surrender the trade certificate if it is found by me or restored to me.

I/We hereby deposit the fee of Rs.....and apply for the issue of duplicate trade certificate.

Signature or thumb impression of the Applicant

Dated:.....

Address.....

*Strike out whichever is inapplicable.

FORM 19

(See rule 43)

REGISTER TO BE MAINTAINED BY THE HOLDER OF TRADE CERTIFICATE

Date	Trade certificate number and in case of vehicle registered, the registration number of the vehicle	Description of motor vehicle	Purpose for which vehicle sent out or brought	Driver's name, licence No and address and whether he is the employee of the holder of trade certificate	Hours of leaving the premises by the vehicle	Hours of return to premises by the vehicle	Mileage covered between the hours noted in columns (6) and (7)	Signature and designation of the person authorised by the holder
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

¹FORM 20

(See rule 47)

APPLICATION FOR REGISTRATION OF A MOTOR VEHICLE

(To be made in duplicate if the vehicle is held under an agreement of Hire-Purchase/Lease/Hypothecation and duplicate copy with the endorsement of the Registering Authority to be returned to the Financier simultaneously on Registration of motor vehicle)

To

The Registering Authority,

.....

1. Full name of person to be registered
as Registered owner

Son/Wife/daughter of

2. Age of person to be registered as
Registered owner

3. Permanent address

(Electoral Roll/Life Insurance
Policy/Passport/ Pay slip issued by
any office of the Central
Government/State Government or a
local body/ Any other document on
documents as may be prescribed by
the State Government/Affidavit
sworn before an Executive
Magistrate or a First Class Judicial
Magistrate or a Notary Public to be
enclosed)

4. Temporary address/ Official
address, if any

5. Duration of stay at the present
address

6. The annual income and PAN/GIR
number of the owner

7. Place of birth

8. If place of birth is outside India,
when migrated to India

9. Declaration of citizenship status

(i) If deemed Citizen or Citizen by Birth (Birth certificate and school certificate in support of Citizenship as Indian to be enclosed)

(ii) If Citizenship is acquired by Descent/Registration (In case Citizenship acquired by Descent, Birth Certificate, land/property document of parent/ in case of citizenship acquired by registration, certificate to be enclosed)

(iii) If Citizenship by Naturalization (Certificate of Naturalization and Certificate of Registration to be enclosed)

(iv) If non-Indian Citizen(Valid passport or other travel documents and such other document or authority as may be prescribed by law to be enclosed)

10. Name and address of the Dealer or Manufacturer from whom the vehicle was purchased (sale certificate and certificate of road worthiness issued by the manufacturer to be enclosed)

11. If ex-army vehicle or imported vehicle, enclose proof. If Locally manufactured Trailer/Semi-trailer, enclose the Approval of design by the State Transport Authority and Note the proceedings number and date of approval

12. Class of vehicle (if motor cycle,
whether with or without gear)
13. The motor vehicle is
(a) a new vehicle,
(b) ex-army vehicle,
(c) imported vehicle
14. Type of body
15. Type of vehicle
16. Maker's name
17. Month and year of manufacture
18. Number of cylinders
19. Horse power
20. Cubic capacity
21. Maker's classification or if not
known, wheel base
22. Chassis No. (Affix Pencil print)
23. Engine Number or Motor Number
in case of Battery Operated Vehicles
24. Seating capacity (including driver)
25. Fuel used in the engine
26. Unladen weight
27. Particulars of previous registration
and registered number (if any)
28. Colour or colours of body wings
and front end

I hereby declare that the motor vehicle has not been registered in any State in
India.

**ADDITIONAL PARTICULARS TO BE COMPLETED ONLY IN THE
CASE OF TRANSPORT VEHICLES OTHER THAN MOTOR CAB**

29. Number, description, size and ply rating of tyres, as declared by the manufacturer

- (a) Front axle =
- (b) Rear axle =
- (c) Any other axle =
- (d) Tandem axle =

30. Gross vehicle weight

- (a) as certified by manufacturer
..... Kgms
- (b) To be registered
- Kgms

31. Maximum axle weight

- (a) Front axle=
.....Kgms
- (b) Rear axle=Kgms
- (c) Any other axle=.....Kgms
- (d) Tandem axle=Kgms

32. (a) Overall length.....

(b) Overall width.....

(c) Overall height

(d) Over hang

The above particulars are to be filled in for a rigid frame motor vehicle of two or more axles for an articulated vehicle of three or more axles or, to the extent applicable, for trailer, where a second semi-trailer or additional semitrailer are to be registered with an articulated motor vehicle. The following particulars are to be furnished for each such semi-trailer.

33. Type of body

34. Unladen weight

35. Number, description and size of
tyres on each axle

36. Maximum axle weight in respect
of each axle

37. The vehicle is covered by a valid
certificate of Insurance under Chapter
XI of the Act

Insurance Certificate Or Cover Note

No

Date

of

(Name of company) Valid from

to

38. The vehicle is exempted from
insurance

The relevant order is enclosed

39. I have paid the prescribed fee of
Rs.

Date.....

**Signature or thumb impression of
the person to be registered as
registered owner**

Note.- The motor vehicle above described is--

(i) Subject to Hire-purchase agreement/lease agreement with

(ii) Subject to hypothecation in favour of

(iii) Not held under Hire-purchase agreement, or lease agreement or subject to
Hypothecation

Strike out whatever is inapplicable, if the vehicle is subject to any such
agreement the signature of the Financier with whom such agreement has been
entered into is to be obtained.

.....

Signature of the financier with whom an Agreement of Hire-purchase, Lease or Hypothecation has been entered into.

.....

Signature or thumb impress of the registered owner

CERTIFICATE OF INSPECTION OF MOTOR VEHICLE

Certified that the particulars contained in the application are true and that the vehicle complies with the requirements of the Motor Vehicles Act, 1988 and the Rules made there under.

DateRef. No.....

Signature of the Inspecting Authority
Name.....
Designation

OFFICE ENDORSEMENT
Office of the.....

The above said motor vehicle has been assigned the Registration number..... and registered in the name of the applicant and the vehicle is subject to an agreement of Hire-purchase/Lease/Hypothecation with the Financier referred above.

Date.....

Signature of the Registering Authority

To
The Financier

.....

.....

(To be sent by registered post acknowledgment due)

Specimen signature or thumb-impression of the person to be registered as Registered Owner and Financier are to be obtained in original application for affixing and attestation by the Registering Authority with office seal in Forms 23 and 24 in such a manner that the part of impression of seal or a stamp and

attestation shall fall upon each signature.

Specimen signature of the Financier	Specimen signature of the Registered Owner
(1).....	(1).....
(2).....	(2).....

Footnote:

1. Substituted by The Central Motor Vehicles (Amendment) Rules, 2007, w.e.f. 10.04.2007.

FORM 21

[See rule 47(a) and (d)]

SALE CERTIFICATE

(To be issued by manufacturer/dealer or officer of Defence Department (in case of military auctioned vehicles) for presentation along with the application for registration of a motor vehicle).

Certified that.....

(brand name of the vehicle) has been delivered by us to.....
on..... (date)

Name of the buyer

Son/wife/daughter of

Address (Permanent)

(Temporary)

The vehicle is held under agreement of hire-purchase/lease/hypothecation with.....

The details of the vehicle are given below :

1. Class of vehicle
2. Maker's name
3. Chassis No.
4. ¹[Engine number or motor number in the case of Battery Operated Vehicles]
5. Horse power or cubic capacity

- 6. Fuel used
- 7. Number of cylinders
- 8. Month and year of manufacture
- 9. Seating capacity (including driver)
- 10. Unladen weight
- 11. Maximum axle weight and number and description of tyres (in case of transport vehicle)
 - (a) Front axle
 - (b) Rear axle
 - (c) Any other axle
 - (d) Tandem axle
- 12. Colour or colours of the body
- 13. Gross vehicle weight
- 14. Type of body

Signature of the manufacturer/ dealer or
Officer of Defence Department

*Strike out whichever is inapplicable.

Footnote:

- 1. Subs. by GSR589(E) dated 16.09.2005.

¹[FORM 22

[See ²[rules 47 (g), 115 (2), 115 (6), 115 (7), 115A, 124, 126A and 127]]

**INITIAL CERTIFICATE OF COMPLIANCE WITH POLLUTION STANDARDS,
SAFETY STANDARDS OF COMPONENTS AND ROAD WORTHINESS**

(To be issued by the manufacturer)

Certified that.....(brand name of the vehicle) bearing Chassis number.....and ³[Engine number or motor number in the case of Battery Operated Vehicles].....complies with the provisions of the Motor Vehicles Act, 1988 and the Rules made thereunder.

Signature of the Manufacturer

Form 22 shall be issued with the signature of the manufacturer duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the manufacturer.

Footnotes:

- 1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

2. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "rules 47(g), 115(6), 115A, 124, 126A and 127" (w.e.f. 1-10-2004).

3. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 22A

[See ¹[rules 47(g), 115 (2), 115 (6), 115 (7), 115A, 124, 126A and 127]]

CERTIFICATE OF COMPLIANCE WITH POLLUTION STANDARDS/SAFETY STANDARDS OF COMPONENTS AND ROAD WORTHINESS (FOR VEHICLES WHERE BODY IS FABRICATED SEPARATELY)

PART I

(To be issued by the Manufacturer)

Certified that.....(brand name of the vehicle) bearing Chassis number.....and ³[Engine number or motor number in the case of Battery Operated Vehicles].....complies with the provisions of the Motor Vehicles Act, 1988 and the Rules made thereunder.

²[Signature of the Chassis Manufacturer]

Form 22A, Part I shall be issued with the signature of the manufacturer duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the manufacturer.

PART II

(To be issued by the Body Builder)

Certified that body of the vehicle.....(brand name of the vehicle) bearing chassis number.....and ³[Engine number or motor number in the case of Battery Operated Vehicles].....has been fabricated by us and the same complies with the provisions of the Motor Vehicles Act, 1988 and the Rules made thereunder.

Signature of Body Builder

*Strike out whichever is not applicable.

Form 22(A), Part II shall be issued with the signature of the body builder duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the body builder.]

Footnotes:

1. Subs. by G.S.R. 111 (E), dated 10th February, 2004, for "rules 47(g), 124, 126A and 127" (w.e.f. 1-10-2004).

2. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).

3. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 23

(See rule 48)

CERTIFICATE OF REGISTRATION

Registration Number.....

Brief description of vehicle.....(e.g. Fiat/
Ambassador/Maruti car, Tata, Ashok Leyland goods vehicle, trailer, motor cycle with/without
gear, motor cycle with side car, etc.)

Purchased from the Dealer Name & Address :

Name of Registered Owner

Son/wife/daughter of

Full address (Permanent)

Full address (Temporary) ⁴[PAN No.....]

Signature of Registering Authority

Date.....

Specimen Signature of the Registered Owner to be
affixed and attested by Registering Authority with his seal

DETAILED DESCRIPTION

- | | |
|---------------------------------|-------|
| 1. Class of vehicle | ..... |
| The motor vehicle is | ..... |
| (a) a new vehicle | ..... |
| (b) ex-army vehicle | ..... |
| (c) imported vehicle | ..... |
| (d) Migration from other States | ..... |
| 2. Maker's name | ..... |
| Dealer's name and address | ..... |
| 3. Type of body | ..... |

- 4. Month and year of manufacture
- 5. Number of cylinders
- 6. Chassis Number
- 7. ³[Engine number or motor number in the case of Battery Operated Vehicles]
- 8. Fuel used in the engine
- 9. Horse Power (B.H.P.)
- 10. Cubic Capacity
- 11. Maker's Classification
- 12. Wheel base
- 13. Seating capacity (including driver)
- 14. Unladen weight
- 15. Colour or colours of body, wings and front end

Additional particulars in the case of all transport vehicles other than motor cabs.

- 16. Gross vehicle weight
 - (a) as certified by the manufacturer kgms.
 - (b) as registered kgms.
- 17. ²[Number, description, size and ply rating of tyres, as declared by the manufacturer]
 - (a) Front axle
 - (b) Rear axle
 - (c) Any other axle
 - (d) Tandem axle

- 18. Registered axle weightkgms.
 - (a) Front axlekgms.
 - (b) Rear axlekgms.
 - (c) Any other axlekgms.
 - (d) Tandem axlekgms.

Additional particulars of alternative or additional Semi-Trailer Registered with an Articulated vehicle

- 19. Type of body
- 20. Unladen weight
- 21. Number, description and size of tyres on (each) axle

22. Registered axle weight (in respect of each axle)

This certificate is valid fromto.....

Date.....

Signature of the Registering Authority

Note.--The motor vehicle above described is--

(i) Subject to a Hire-purchase agreement with

(ii) Subject to Lease agreement with

(iii) Subject to Hypothecation in favour of

Specimen signature of the Financier (to be affixed) and attested by the Registering Authority with his seal

This certificate is renewed:

Note.--

(i) This shall be in the form of a book having sufficient pages for recording transfer of ownership, change of address, Hire-purchase endorsement, cancellation of Hire-purchase entries, alteration, suspension and cancellation of Certificate of registration, etc. Such entries shall be duly numbered serially in chronological order date-wise.

(ii) Strike out whichever is inapplicable.

(iii) Wherever transfer of ownership/change of address/endorsement and cancellation of any agreement is recorded, specimen signature of the Registered Owner and Financier as the case may be, shall be affixed, sealed and attested by the Registering Authority next to the recording in such manner that part of impression of the seal or stamp and attestation shall fall upon the signatures.

(iv) For two-wheeler and cars, a book be provided without Additional particulars of the transport vehicle and Trailer or Semi-Trailer.

(v) For transport vehicles, a book can be provided without the column of Renewal of Registration.]

Signature of the Registering Authority

Date.....

Fromto.....

Date Signature of the Registering Authority

Fromto.....

Date Signature of the Registering Authority

Fromto.....

Date Signature of the Registering Authority

Fromto.....

Date Signature of the Registering Authority

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Subs. by G.S.R. 214 (E), dated 18th March, 1999 (w.e.f. 18-3-1999).
3. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.
4. Inserted by the Central Motor Vehicles (Third Amendment) Rules, 2009.

¹[FORM 23A

(See rule 48)

CERTIFICATE OR REGISTRATION (IN ELECTRONIC MEDIUM AS SMART CARD, ETC.)

Particulars to be printed on the Visual Inspection Zone of Smart Card:

Contents of Visual Inspection Zone

Certificate of Registration

1. Name of State Transport Department
2. Card Serial Number
3. Vehicle Registration Number
4. Registration Date (In dd-mm-yyyy)
5. Owner's details:
- 5.1 Name

5.2 Son/Wife/Daughter of	.....
5.3 Address: Current Postal Address	.....
³ [5.4. PAN No]
6. Vehicle's details:	.....
6.1 Name of Manufacturer with Make	.....
6.2 Colour	.....
6.3 Fuel	.....
6.4 Vehicle Class	.....
6.5 Body Type	.....
6.6 Seating Capacity	.....
6.7 Standing Capacity	.....
6.8 Date of Manufacture (In mm-yyyy)	.....
6.9 Unladen Weight	.....
6.10 Cubic Capacity	.....
6.11 Wheel Base	.....
6.12 Number of Cylinders	.....
6.13 Owner Serial (Optional)	.....
6.14 Chassis Number	.....
6.15 ² [Engine number or motor number in the case of Battery Operated Vehicles]	.....
7. Tax paid upto (In dd-mm-yyyy)	.....
8. Registration validity (In dd-mm-yyyy)	.....
9. Signature of Issuing Authority	.....
10. Identification of Issuing Authority	.....
Contents of Machine Readable Zone	
11. Chip Serial Number	.....

- 12. Owner Serial (No. of this the ownership has changed)
- 13. Tax Date (Date of Validity of Tax): dd-mm-yyyy
- 14. Registration Validity (In dd-mm-yyyy)
- 15. Hypothecation details:

 - 15.1 Name of Financier
 - 15.2 Address of Financier
 - 15.3 Hypothecated from (In dd-mm-yyyy)
 - 15.4 Hypothecated upto (In dd-mm-yyyy)

- 16. NOC detail:-- (future use)

 - 16.1 NOC number
 - 16.2 State to (Code only)
 - 16.3 RTO to
 - 16.4 NCRB clearance number
 - 16.5 NOC issue date (in dd-mm-yyyy)

- 17. Insurance detail: -- (future use)

 - 17.1 Name of Company
 - 17.2 Covernote/Policy Number
 - 17.3 Type of Insurance
 - 17.4 Validity upto (In dd-mm-yyyy)

- 18. Pollution under control detail: -- (future use)

 - 18.1 Checking centre (code only)
 - 18.2 Validity upto (In dd-mm-yyyy)

- 19. Tax Payment details:

Amount	.....
Fine	.....
Exemption/Receipt number	.....
Payment Date (In dd-mm-yyyy)	.....
Valid from (In dd-mm-yyyy)	.....
Valid upto (In dd-mm-yyyy)	.....
Exemption (Y/N)	.....
20. Fitness details:	.....
Validity (In dd-mm-yyyy)	.....
Inspecting Officer	.....
Location	.....
21. Additional Information in respect of Transport Vehicle:	.....
Gross Vehicle Weight (in kgs.)	.....
Number, Description and Size of Tyres	.....
Registered Axle Weight	.....
Number of Semi Trailers	.....
22. Challan details:	.....
Challan number	.....
Accused person (O-owner, D-driver, C- conductor)	.....
Section (Code only)	.....
Challaning Officer	.....
Location	.....
Date & Time (In dd-mm-yyyy/hh: mm)	.....
Disposing Authority (R-RTO, C-Court)	.....

	Disposal date (In dd-mm-yyyy)	.....
	Penalty	.....
	Receipt number	.....
23.	Permit details:	.....
	Permit number	.....
	Type of permit	.....
	Validity from (In dd-mm-yyyy)	.....
	Validity upto (In dd-mm-yyyy)	.....
	Area of operation	.....
	Route from	.....
	Route upto	.....
	Stage 1	.....
	Stage 2	.....
	Stage 3	.....
24.	Permit Actions:	.....
	Action Code SUR/SUS/CAN	.....
	From date (In dd-mm-yyyy)	.....
	Upto date (In dd-mm-yyyy)	.....
	Reason	.....
25.	All India Tourist Permit details:	.....
	From date (In dd-mm-yyyy)	.....
	Upto date (In dd-mm-yyyy)	.....
26.	Authorisation details:	.....
	State (Code only)	.....
	Authorisation number	.....

Validity from (In dd-mm-yyyy)	.....
Validity upto (In dd-mm-yyyy)	.....
Bank Draft Amount	.....
Bank Draft Number	.....
Bank (Code only)	.....
Branch	.....
Bank draft issue date (In dd-mm-yyyy)	.....
27. Counter Signature details:	.....
Authorizing Office	.....
Validity from (In dd-mm-yyyy)	.....
Validity upto (In dd-mm-yyyy)	.....
Route from	.....
Route upto	.....
Stage 1	.....
Stage 2	.....
Stage 3	.....
28. In case of Auto Rickshaw /Local	.....
Taxies:	
Meter number	.....

Note.--(i) At the time of payment of next instalment of tax, the issuing authority shall issue a paper receipt stating that date of validity of tax paid has been extended from so and so date to so and so date. The receipt shall be duly signed by designated authority.

Name of issuing authority shall also be clearly spelt out. The receipt shall be security printed water mark paper carrying such hologram as may be specified by the concerned State.

Note.--(ii) In respect of articulated vehicle, additional information of trailer not required.]

Footnotes:

1. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.
3. Inserted by the Central Motor Vehicles (Third Amendment) Rules, 2009.

¹[FORM 24

(See rule 49)

REGISTER OF MOTOR VEHICLE

Description of Registration of Motor Vehicle	Particulars of regd. owner on registration/ transfer of ownership /change of address of motor vehicle	Particulars of agreement of hire purchase, lease & Hypothecation	Entries relating to the certificate of registration	Remarks
--	---	--	---	---------

Particulars	Details	Full Name Son/ wife/ daughter of, present address	Specimen signature pasted and attested by Registering Authority with official seal affixed	Note and cancellation of an endorsement of such agreement with full name, and address of the Financier, attested by Registering Authority	Specimen signature or thumb impression of Financier, pasted and attested by Registering Authority	Such as suspension/ cancellation, issue of duplicate (to the Registered Owner) /fresh (to the Financier), and exemption granted, NOC issued, vehicle removed to other Dist / State, Alteration of vehicle	
1	2	3	4	5	6	7	8

1. Registration No.
2. Date of Registration
3. Name of the owner

- Son/wife/daughter of
- Full address (Permanent)
- (Temporary)
- 4. Dealer's name and address
- 5. Particulars of previous registration number viz.
 - (a) The name of the Registering Authority
 - (b) Registration Number assigned
 - (c) Date of expiry of registration
 - (d) Whether held under HP /lease & hypothecation
 - (e) if so, particulars of financier etc.
- 6. The motor vehicle is --
- (a) new
- (b) ex-army
- (c) imported
- 7. Class of vehicle ²[(if motor cycle, with gear or without gear)]
- 8. Maker's name
- 9. Type of body
- 10. Month and year of manufacture
- 11. No. of Cylinders
- 12. Chassis No. Affix pencil print and to be attested by the Registering Authority
- 13. ³[Engine number or motor number in the case of Battery Operated Vehicles]
- 14. Fuel used in engine
- 15. Horse power
- 16. Cubic capacity
- 17. Maker's classification
- 18. Wheel base
- 19. Seating capacity including driver
- 20. Colour or colours of body, wings, front end

- 21. Unladen weight
- 22. Gross vehicle weight
- (i) as certified by manufacturer

- (ii) as registered
23. Additional particulars in case of transport vehicle other than motor cabs.
1. No., description and size of tyres, front axle, rear axle, any other axle, Tandem axle.
2. Registered axle weight Front axle.....kg. Rear axle.kg. Any other axle.kg. Tandem axle. ...kg.
24. Additional particulars of alternatives or additional trailer or semi-trailers registered with an articulated vehicle.
1. Type of body
2. Unladen weight
3. Number and description and size of tyre on each axle.
4. Registered axle weight in respect of each vehicle.
25. Insurance certificate /Cover Note no..... dated..... vehicle valid from....to..... issued by.(Name and address of the insurance company)
26. Rate of motor vehicle tax
27. Validity of registration from. to.renewal from.....to.....
28. Name and designation of the Inspecting Officer who certified the vehicle as fit for registration
29. Name and designation and signature of the Registering Authority

Note.--Specimen signature of the registered owners and financiers pasted in columns 4 & 6 respectively, shall be attested with office seal by the Registering Authority in such a manner that the part of impression of seal of stamp and attestation shall fall upon each signature.]

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
3. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 25

[See rule 52 (1)]

FORM OF APPLICATION FOR RENEWAL OF CERTIFICATE OF REGISTRATION OF A MOTOR VEHICLE, OTHER THAN A TRANSPORT VEHICLE

To

The Registering Authority,

.....
.....
.....

I..... hereby apply for the renewal of the certificate

of registration which is attached, the particulars of which are as follows:--

(a) Register No.

(b) Date of issue

(c) Date of expiry

(d) Registering Authority by which the certificate was issued/last renewed

My present address is..... If this address is not entered in the certificate of registration, I do/do not wish that it should be so entered. The renewal of the certificate has not been refused by any Registering Authority.

I hereby declare that the certificate of registration has not been cancelled or suspended by any Registering Authority.

1. Class of vehicle
2. The motor vehicle was registered as
- (a) a new vehicle
- (b) ex-army vehicle
- (c) imported vehicle
3. Type of body
4. Maker's name
5. Month and year of manufacture
6. Number of cylinders
7. Cubic capacity/Horse power
8. Maker's classification
9. Chassis No. -- Affix pencil print
10. ²[Engine number or motor number in the case of Battery Operated Vehicles]

- 11. Seating capacity (including driver)
- 12. Unladen weight
- 13. Fuel used

I enclose the certificate of insurance for perusal and return.

I have paid the fee of Rs.

Date:.....

¹[Signature or thumb impression of the Applicant]

Note.--The motor vehicle above described is not subject to an agreement of hire-purchase, lease or hypothecation.

The vehicle is:

*⁽ⁱ⁾ Subject to hire-purchase agreement/lease agreement with

*⁽ⁱⁱ⁾ Subject to hypothecation in favour of

*Strike out whichever is inapplicable

¹[Signature or thumb impression of the Registered Owner]

¹[Specimen signature or thumb impression of the Registered Owner]:

- 1.
- 2.
- 3.

CERTIFICATE

Inspected the vehicle -- verified the chassis number and engine number.

Certified that the particulars contained in the application and the corresponding particulars declared in the certificate of registration of the vehicle are true and that the vehicle complies with the requirements of the Motor Vehicles Act, 1988, and Rules made thereunder.

Signature of the Inspecting Authority

Name.....

Designation.....

Footnotes:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 26

[See rule 53]

**APPLICATION FOR THE ISSUE OF DUPLICATE CERTIFICATE OF
REGISTRATION**

(To be made in duplicate if the vehicle is held under an agreement of hire-purchase/hypothecation and in triplicate if the Original Registering Authority is different, the duplicate copy and the triplicate copy with the endorsement of the Registering Authority to be returned to the Financier and Registering Authority simultaneously on issue of duplicate certificate)

To

The Registering Authority,

.....

.....

The certificate of registration of my/our motor vehicle, the registration mark of which is..... has been lost/destroyed/completely written-off/soiled/ torn/mutilated in the following circumstances.

.....

.....

*I/We hereby declare that to the best of my/our knowledge the Registration of the Vehicle has not been suspended or cancelled under the provisions of the Act or Rules-made thereunder and the circumstances explained above are true.

I/We do hereby apply for the issue of a duplicate Certificate of Registration. The written-off/soiled/torn/mutilated Certificate of Registration is enclosed.

The vehicle is not held under any agreement of Hire-Purchase/Lease/ Hypothecation. The vehicle is also not superdari and free from all encumbrances.

I/We hereby declare that I/We on.....(date) have filed a complaint (copy enclosed) with the police about the loss of Certificate of Registration immediately after the loss has been noticed.

Date :.....

Signature/thumb impression of Applicant

*Strike out whichever is inapplicable.

The vehicle is held under hire-purchase/lease/hypothecation agreement with and the "No Objection Certificate" has been granted/refused by the financier hereunder : Where "No Objection Certificate" is refused, applicant shall make a declaration as required under sub-section (8) of section 51.

Signature or thumb impression of the Owner

Name

Full address]

Date

Note.--(1) Full particulars of the circumstances shall be furnished in the case of loss or destruction of the Registration Certificate.

(2) Strike out whichever is inapplicable.

CONSENT OF THE FINANCIER FOR GRANT OF "NO OBJECTION CERTIFICATE" UNDER SECTION 51(6)

I/We being a party to an agreement of hire-purchase/lease/hypothecation in respect of motor vehicle specified above;

(1) have "No Objection" in issue of the duplicate certificate of registration of the said vehicle.

(2) have "Objection" in issue of the duplicate registration certificate of the said vehicle, for the reasons given hereunder

Date..... Signature of the Financier

OFFICE ENDORSEMENT Ref. Number.....Office of the.....

A duplicate certificate of registration as requested above is issued with the note of agreement of hire-purchase/lease/hypothecation on

and is noted in the original registration records in Form 24.

Date

Signature of the Registering Authority

To

The Financier

The Registering Authority

(To be sent to both the above parties by Registered Post Acknowledgement Due)

Specimen Signature or thumb impression of the Registered Owner and Financier are to be obtained in original application for affixing and attestation by the Registering Authority with the Office seal in Forms 23 and 24 in such a manner that the part of impression of seal or a stamp and attestation shall fall upon each signature:

Specimen Signature of the Financier	Specimen Signature of the Registered Owner
1.	1.
2.	2.

Footnote:

1. Subs. By G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993)

¹[FORM 27

[See rule 54]

APPLICATION FOR ASSIGNMENT OF NEW REGISTRATION MARK TO A MOTOR VEHICLE

(To be made in triplicate if the vehicle is held under an agreement of hire-purchase/lease/hypothecation the duplicate copy and the triplicate copy with the endorsement of the Registering Authority to be returned to the Financier and Original Registering Authority simultaneously, on the assignment of a new registration mark).

To

The Registering Authority,

.....
.....

I/We..... Son/wife/daughter
of.....being the Registered Owner of Motor
Vehicle No..... bearing Chassis No.....²[Engine number or
motor number in the case of Battery Operated Vehicles]Type of
vehicleRegistered in the State ofhereby
declare that I/We have, since the.....day of..... kept the
said motor vehicle in this State and hereby apply for the assignment of a new registration mark to
the said motor vehicle.

I/We hereby declare that the registration is valid up to..... and it has not
been suspended or cancelled under the provisions of the Act.

I/We enclose the certificate of registration and the certificate of fitness (*) of this motor vehicle.

I/We enclose a "No Objection Certificate" from the Registering Authority.

If the "No Objection Certificate" from the Registering Authority is not enclosed the applicant should file along with this application a declaration as required under the first proviso to sub-section (1) of section 47.

The vehicle is not subject to an agreement of hire-purchase/lease/ hypothecation.

The vehicle is subject to an agreement of hire-purchase/lease/hypothecation with..... and the NOC has been Granted/Refused by the Financier thereunder.

If "No Objection Certificate" has been refused by the financier the applicant should file along with this application a declaration as required under sub-section (8) of section 51.

Date.....

Signature or thumb impression of the Applicant

*Strike out whichever is inapplicable.

CONSENT OF THE FINANCIER FOR GRANT OF "NO OBJECTION CERTIFICATE" UNDER SECTION 51(6)

I/We, being a party to an agreement of hire-purchase/lease/hypothecation in respect of motor vehicle specified above:

(1) have "No Objection" in assigning the new Registration mark to the said Vehicle.

(2) have "Objection" in assigning the Registration mark to the said Vehicle for the reasons given hereunder

Date

Signature of the Financier

OFFICE ENDORSEMENT Ref. Number..... Office of the..... The Vehicle No..... on removal to this State has been assigned a new Registration mark.....(here enter the Registration mark).

Date.....

Signature of the Registering Authority

To The Financier

The Registering Authority

(to be sent to both the above parties by Registered Post Acknowledgement due)]

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 28

[See rules 54, 58 (1), (3) and (4)]

APPLICATION AND GRANT OF NO OBJECTION CERTIFICATE

(To be made in quadruplicate if the vehicle is held under an agreement of hire-purchase/lease/hypothecation, in duplicate copy, the triplicate copy and the quadruplicate copy with the endorsement of the Registering Authority to be returned to the Registered owner of the vehicle, the Registering Authority in whose jurisdiction the vehicle is to be removed and the financier simultaneously on grant/ refusal of a 'No Objection Certificate')

PART I-- APPLICATION

To The Registering Authority,

.....

.....

I/We intend to transfer the vehicle to the jurisdiction of the Registering Authority

I/We intend to sell the vehicle to Shri/Smt./Kumari..... who resides in the jurisdiction of the Registering Authority of

I/We therefore, request for the issue of a No Objection Certificate for my/our vehicle the particulars of which are furnished below:--

1. Name and address
2. Son/wife/daughter of
3. Registration number of the vehicle
4. Class of vehicle
5. Registering Authority which originally registered the vehicle
6. ²[Engine number or motor number in the case of Battery Operated Vehicles]
7. Chassis number (Affix also pencil print)
8. Period of stay in the State

- 9. Period up to which motor vehicle tax has been paid
- 10. Whether any demand for tax is pending, if so, give details
- 11. Whether the vehicle is involved in any theft cases, if so give details
- 12. Whether any action under sections 53, 54 or 55 of the Motor Vehicles Act, 1988 is pending before any Registering Authority or other prescribed authority, if so, give details.
- 13. Whether the vehicle is involved in any case of transport of prohibited goods, if so, give details.
- 14. Whether the vehicle is held under an agreement of hire-purchase/lease/ hypothecation, if so give full name and address of the Financier

We solemnly declare that the above statement is true.

Date.....

Signature or thumb impression of Registered Owner

PART II--CONSENT OF THE FINANCIERS IN THE CASE OF MOTOR VEHICLE SUBJECT TO AN AGREEMENT

I/We being a party to an agreement of the Hire-Purchase/Lease/ Hypothecation in respect of the abovesaid vehicle hereby

- 1. Give consent to issue the No Objection Certificate for the said vehicle only for the purpose referred above.
- 2. Refuse to give consent for issue of No Objection Certificate for the said vehicle due to the reasons furnished hereunder:

Date.....

Signature of the Financier

PART III-- OFFICE ENDORSEMENT

(GRANT/REFUSAL OF "NO OBJECTION CERTIFICATE" UNDER SECTION 48 (3) OF MOTOR VEHICLES ACT, 1988)

(1) No Objection Certificate in respect of the vehicle, the detailed particulars whereof are recorded over above is hereby granted under section 48 (3) of the Motor Vehicle Act, 1988 (valid for use at the Registering Authority, on whom it is issued).

(2) No Objection Certificate in respect of the motor vehicle, the detailed particulars whereof recorded

over above is hereby refused under section 48 (3) of the Motor Vehicle Act, 1988, for the reasons recorded as under:

Date.....

Signature with seal of Registering Authority

Address.....

*Strike out whichever is inapplicable.

To

The Registered Owner.....

The Financier.....]

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 29

[Sec rule 55 (1)]

NOTICE OF TRANSFER OF OWNERSHIP OF A MOTOR VEHICLE

(To be made in duplicate and the duplicate copy with the endorsement of the Registering Authority to be returned to the transfer or immediately on making entries of transfer of ownership in certificate of Registration and Form 24)

To

The Registering Authority(in whose jurisdiction the Transferee resides)

I/We..... resident of have on the day of the year sold and delivered my/our Vehicle No make

Chassis No ²[Engine number or motor number in the case of Battery Operated Vehicles] to Shri/Smt (Name)

Son/wife/daughter of residing at (House No./Street Village/Town Distt. and State) under an agreement of hire purchase/lease/hypothecation with

The Registration Certificate and Insurance Certificate have been handed over to him/her/them.

To the best of my/our knowledge and belief the vehicle is not superdari and free from all encumbrances and information furnished is true. I/We undertake to hold my/our self-responsible for any inaccuracy or suppression of information.

Signature of the Financier (to give his consent)

Date.....

Signature or thumb impression of the Registered

Owner (Transferor)

Date

I/We..... (Transferee)

Copy to the Registering Authorityin whose jurisdiction the transferor resides.

Note.--To be sent to the Registering Authority by Registered Post Acknowledgment Due.....

OFFICE ENDORSEMENT

Ref. No..... Office of the..... The ownership of the vehicle has been transferred to the name of.....with the note of the abovesaid agreement with effect from.....(date).

Date.....

Signature of the Registering Authority with Office Seal]

*Strike out whichever is inapplicable.

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 30

[See rule 55 (2) and (3)]

**APPLICATION FOR INTIMATION AND TRANSFER OF OWNERSHIP OF A
MOTOR VEHICLE**

(To be made in duplicate if the vehicle is held under an agreement of hire-purchase/lease/hypothecation. The duplicate copy with the endorsement of the Registering Authority to be returned to the Financier simultaneously on making the entry of the transfer of Ownership in the Certificate of Registration and Registration Record in Form 24)

To

The Registering Authority.....

PART I-- FOR THE USE OF THE TRANSFEROR

Name of the transferor Son/wife/daughter of.....

Full address

I/We, hereby declare that I/We have on this day of the year
..... sold my/our motor vehicle bearing Registration mark
..... to Shri/ Smt. Son/wife/daughter

of residing at (full address) and
handed over the Certificate of Registration and the Certificate of Insurance to him/her/them.

I/We hereby declare that to the best of my/our knowledge the certificate of registration of the vehicle has not been suspended* or cancelled.

*I/We enclose the "No objection certificate" issued by the Registering Authority.

**If the "No objection certificate" from the Registering Authority is not enclosed, the transferor should file along with this application a declaration as required under sub-section (1) of section 50.

Date.....

Signature or thumb impression of the Transferor

*Details of suspension or cancellation.

**Strike out whichever is inapplicable.

PART II-- FOR THE USE OF TRANSFEREE

Name of the Transferee

Son/wife/daughter of Age Full address..... (Proof of address to be enclosed).

I, hereby declare that I/We have on this day of the year purchased the motor vehicle bearing registration number from (name and full address) and request that necessary entries regarding the transfer of ownership of the vehicle in my/our name may be recorded in the certificate of registration/certificate of fitness of the vehicle, which is enclosed.

The certificate of Insurance is also enclosed. To the best of my knowledge and belief I/We have not suppressed any facts and information furnished is true. The vehicle is not superdari and free from all encumbrances. I/We undertake to hold myself responsible for any inaccuracy of the information.

Date

Signature or thumb impression of the Transferee

CONSENT OF THE FINANCIER IN THE CASE OF MOTOR VEHICLE SUBJECT TO AN AGREEMENT OF HIRE-PURCHASE/ LEASE/HYPOTHECATION

I/We being a party to an agreement of hire-purchase/lease/hypothecation in respect of motor vehicle specified above, give consent to the transfer of ownership of the said motor vehicle in the name of the Transferee named above, with whom I/We have entered into an agreement of hire-purchase/lease/hypothecation.

(Full name and address of the Financier)

Signature of the Financier

Date.....

Date.....

OFFICE ENDORSEMENT

Ref. No. Office of the

The transfer of ownership of vehicle under continuation of an endorsement of hire-purchase/ lease/hypothecation agreement has been recorded with effect from in the Registration Certificate of the vehicle

..... and in the Registration record of this office in Form 24.

Date

Signature of the Registering Authority

To

The Transferor

The Financier.....

(To be sent to both the above parties by Registered Post Acknowledgement Due)

Specimen signature or thumb impression of the registered owner and the Financier are to be obtained in the original application for affixing and attestation by the Registering Authority with the office seal in Forms 23 and 24, in such manner that the parts of impression of seal or stamp and attestation shall fall upon each signature.

Specimen signatures of the Financier	Specimen signatures of the Registered Owner
1.	1.
2.	2.

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

¹[FORM 31

[See rule 56 (2)]

**APPLICATION FOR TRANSFER OF OWNERSHIP IN THE NAME OF THE PERSON
SUCCEEDING TO THE POSSESSION OF THE VEHICLE**

(To be made in duplicate if the vehicle is held under an agreement of hire-purchase/lease hypothecation and the duplicate copy with an endorsement of the

Registering Authority to be returned to the financier simultaneously on making the entry of Transfer of ownership in the Certificate of Registration and Office Record in Form 24)

To

The Registering Authority,

.....

.....

1. Vehicle Registration No.

- Make and model
 Chassis No.
²[Engine number or motor number in the case of Battery Operated Vehicles]
 Type of Vehicle
2. Name of the deceased registered owner
 3. Name and age of the person succeeding to the possession of the vehicle
 Son/wife/daughter of
 Full postal address (proof of address to be enclosed)
 4. Relationship with the deceased registered owner
 5. Proof of his succession

Certificate of registration is enclosed herewith. Kindly transfer the ownership of the vehicle in my name.

Date.....

Signature of the Applicant

CONSENT OF THE FINANCIER IN THE CASE OF MOTOR VEHICLE HELD UNDER ANY OF THE AGREEMENTS

I/We being a party to an agreement of hire-purchase/lease/hypothecation in respect of the motor vehicle specified above, consent to the transfer of ownership of the said motor vehicle in the name of the applicant named above, with whom I/We have entered into an agreement of Hire-Purchase/Lease/Hypothecation.

(Full Name & address of the Financier)

Signature of the Financier

Date.....

OFFICE ENDORSEMENT Ref. Number..... Office of the

The transfer of ownership of the Motor Vehicle under continuation of an endorsement of hire-purchase/lease/hypothecation agreement has been recorded with effect from in the certificate of registration of the vehicle and the registration record of this office in Form 24.

Date

Signature of the Registering Authority

*Strike out whichever is inapplicable. To.....

The Financier

(To be sent by Registered Post Acknowledgement Due)

Specimen signatures or thumb impression of the Registered Owner and Financier are to be obtained in original application for affixing and attestation by the Registering Authority with office seal in Form 23 and 24, in such a manner that the part of impression of seal or stamp and attestation shall fall upon each signature:

Specimen Signature of the Financier	Specimen signature of the Registered Owner
1.	1.
2.	2.

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 32

[See rule 57 (1)]

**APPLICATION FOR TRANSFER OF OWNERSHIP IN CASE OF A MOTOR VEHICLE
PURCHASED OR ACQUIRED IN PUBLIC AUCTION**

To

The Registering Authority,

I/We Son/wife/daughter of
 (full address along with proof)
 have purchased or acquired the Vehicle No bearing Chassis No
 ²[Engine number or motor number in the case of Battery Operated
 Vehicles] make..... model..... type of
 vehicle in public auction conducted by Or on behalf of the
 Government.

I/We enclose the documents required to be submitted by me/us under sub-rule (1) of rule 57.

The ownership of the motor vehicle may kindly be transferred to my/our name.

Date.....

¹[Signature or thumb impression of the applicant]

Footnotes:

1. Subs. by G.S.R. 933 (E), dated 28th October, 1989 (w.e.f. 28-10-1989).
2. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

¹[FORM 33

[See rule 59]

INTIMATION OF CHANGE OF ADDRESS FOR RECORDING IN THE CERTIFICATE OF REGISTRATION AND OFFICE RECORDS

(To be made in triplicate if the vehicle is held under agreement of hire-purchase/lease/hypothecation, the duplicate copy and the triplicate copies with the endorsement of the Registering Authority to be returned to the Financier and the Registering Authority (from whose jurisdiction the vehicle is removed) simultaneously, on making the entry of change of address in the certificate of Registration and Form 24).

To

The Registering Authority

I/WeSon/wife/daughter of..... (full address)
..... Registered Owner of motor vehicle
No.....have ceased to reside, do not have the place of business at the address recorded in the certificate of Registration with effect from..... The present address is given below (evidence to be enclosed).

The vehicle is not held under any agreement of hire-purchase/lease/ hypothecation.

The vehicle is held under an agreement of hire-purchase/lease/hypothecation with.....

(Name and full address of the Financier)

The certificate of Registration is enclosed. I/We request that the change of address may be recorded in the certificate of Registration and Form 24.

Date.....

Signature or thumb impression of the

Registered Owner of the vehicle

*Strike out whichever is inapplicable.

CONSENT OF THE FINANCIER IN THE CASE OF MOTOR VEHICLE HELD UNDER AN AGREEMENT

I/We being a party to an agreement of hire-purchase/lease/hypothecation in respect of the abovesaid vehicle, hereby:

1. Give consent for effecting the above change of address with the note of an agreement in my/our favour in Forms 23 and 24 by the Registering Authority.

2. Refuse to give consent for effecting the above change of address by the Registering Authority, due to the reasons furnished hereunder:

Date.....

Signature of the Financier

OFFICE ENDORSEMENT Ref. Number..... Office of
the.....

The above change of address has been entered with the note of agreement of hire-purchase/lease/hypothecation in favour of the Financier in the Certificate of Registration and in Form 24.

Date.....

Signature of the REGISTERING AUTHORITY

To

The Financier.....

The Registering Authority.....

(To be sent to both the parties by Registered Post Acknowledgement Due)

Specimen Signatures or thumb impressions of the Registered Owner and Financier are to be obtained for affixing and attestation by the Registering Authority with official seal in Form 23 & 24 in such manner that part of Impression of the seal or a stamp and attestation shall fall upon each signature :

Specimen Signature of the Financier	Specimen Signatures of the Registered Owner
1.	1.
2.	2.

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

¹[FORM 34

[See rule 60]

APPLICATION FOR MAKING AN ENTRY OF AN AGREEMENT OF HIRE-PURCHASE/LEASE/HYPOTHECATION SUBSEQUENT TO REGISTRATION

(To be made in duplicate and in triplicate where the Original Authority is different, the duplicate copy and the triplicate copy with the endorsement of the Registering Authority to be returned to the Financier and the Registering Authority simultaneously on making the entry in the certificate of Registration and Form 24).

To

The Registering Authority,

.....

.....

The motor vehicle bearing registration number.....is the subject of an agreement of hire-purchase/lease/hypothecation between the registered owner/person to be registered as owner* and

(fill the name and full address of the financier)

We request that an entry of the agreement be made in the certificate of registration and the relevant records in your office.

The certificate of registration together with the fee is enclosed. Date..... Signature or thumb impression of Registered Owner

Date.....

Signature of the Financier

*Strike out whichever is inapplicable.

OFFICE ENDORSEMENT Ref. Number..... Office of
the.....

The entry of the agreement of hire-purchase/lease/hypothecation as requested above is recorded in this office Registration Record in Form 24 and certificate of Registration on.....(date).

Date.....

Signature of the Registering Authority

To

The Financier

The Registering Authority.....

(To be sent to both the above parties by Registered Post Acknowledgement Due)

Specimen Signatures or thumb impressions of the Registered Owner and Financier are to be obtained for affixing and attestation by the Registering Authority with official seal in Form 23 & 24 in such a manner that part of Impression of the seal or a stamp and attestation shall fall upon each signature :

Specimen signature of the Financier	Specimen signature of the Registered Owner
1.	1.
2.	2. 1

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

¹[FORM 35

[See rule 61 (1)]

**NOTICE OF TERMINATION OF AN AGREEMENT OF HIRE-
PURCHASE/LEASE/HYPOTHECATION**

(To be made in duplicate and in triplicate where the original Registering Authority is different, the duplicate copy and the triplicate copy with the endorsement of the Registering Authority to be returned to the Financier and Registering Authority simultaneously on making the termination entry in the certificate of the Registration and Form 24).

To

The Registering Authority

.....

.....

We hereby declare that the agreement of hire-purchase/lease/hypothecation entered into between us has been terminated. We, therefore, request that the note endorsed in the Certificate of Registration of vehicle No.....in respect of the said agreement between us be cancelled.

The certificate of Registration together with the fee is enclosed.

Date.....

Signature or thumb impression of the

Registered Owners

Date.....

Signature of the Financier with

official Seal and address

*Strike out whichever is inapplicable.

OFFICE ENDORSEMENT Ref. Number..... Office of the.....

The cancellation of the entry of an agreement as requested above is recorded in this office Registration Record in Form 24 and Registration certificate on..... (date).

Date.....

Signature of the Registering Authority

To

The Financier.....

The Registering Authority.....

.....

(To be sent to both the above parties by Registered Post Acknowledgement Due)

Specimen signature of the Financier are to be obtained in original Application for affixing and attestation by the Registering Authority with his office Seal in Form 23 and 24 in such a manner that the part of impression of seal or stamp and attestation shall fall upon each signatures.

Specimen signature of the Financier

Specimen signature of the Registered Owner

1.

1.

2.

2.]

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

FORM 36

[See rule 61 (2)]

APPLICATION FOR ISSUE OF A FRESH CERTIFICATE OF REGISTRATION IN THE NAME OF THE FINANCIER

To

The Registering Authority,

.....

.....

I/We..... (financier) have taken possession of motor vehicle no make model owing to the default of the registered owner..... (name) (full address) under the provisions of the agreement of hire-purchase/lease/hypothecation:

*(1) The certificate of Registration of the said vehicle is surrendered herewith.

*(2) The registered owner has refused to deliver the certificate of Registration to me/us.

*(3) The registered owner is absconding.

I/We request you to cancel the certificate and issue a fresh certificate of registration in my/our name.

I/We enclose a fee of Rs.....

Date.....

Signature of the Financier

Specimen signature of the Financier:

1.

2.

Copy to the original Registering Authority.

*Strike out whichever is inapplicable.

¹[FORM 37

[See rule 61 (3)]

NOTICE TO THE REGISTERED OWNER OF THE MOTOR VEHICLE TO SURRENDER THE CERTIFICATE OF REGISTRATION FOR CANCELLATION AND ISSUE OF FRESH REGISTRATION CERTIFICATE IN THE NAME OF THE FINANCIER

(To be made in duplicate and duplicate copy to be sent to the Financier simultaneously on issue of notice)

OFFICE OF THE REGISTERING AUTHORITY.....

Ref. Number.....

Dated.....

Shri/Smt./Kumari..... (Regd. Owner) is/ are hereby informed that(financier) has/have reported that he/they have taken possession of the motor vehicle bearing registration number..... covered by an agreement of hire-purchase/lease/hypothecation, owing to your default under the provisions of the said agreement and that--

* (1) You have refused to deliver the Certificate of Registration to him/her/ them.

* (2) You have absconded.

He/She/They have requested to cancel the Certificate of Registration and issue a fresh certificate of Registration in his/her/their name.

You are, therefore, directed to surrender the Certificate of Registration of the said motor vehicle which has been retained by you in spite of your having lost the possession and thereby the ownership of the motor vehicle under section 2(30) and to send your representation in this regard, if any, to this office within seven days from the date of receipt of this notice by you, failing which a fresh Certificate of Registration will be issued in the name of the Financier, cancelling the Certificate of Registration held by you, in accordance with section 51(5).

Date.....

(Signature of the Registering Authority)

*Strike out whichever is inapplicable.

To

The Financier

(To be sent by Registered Post Acknowledgement Due)].

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

FORM 38

[See. rule 62 (1)]

CERTIFICATE OF FITNESS (APPLICABLE IN THE CASE OF TRANSPORT VEHICLES ONLY)

Vehicle No.....is certified as complying with the provisions of the Motor Vehicles Act, 1988, and the rules made thereunder. The certificate will expire on.....

Date.....

Signature and designation of Inspecting

Authority or holder of the letter of authority of the authorised testing station.

The certificate of fitness is hereby renewed :

From to20...

From to20...

From to20...

Signature of Inspecting Authority
or the holder of the letter of authority
of the authorised testing station.

FORM 39

[See rule 63 (1) and (5)]

FORM OF LETTER OF AUTHORITY ISSUED TO AN AUTHORISED TESTING STATION

Letter of authority No.....

Dated.....

The letter of authority is hereby granted to..... (Name and full address) for the establishment of a testing station under sub-section (2) of Section 56 of the Act at the premises..... (Address of the premises in full)

for the purpose of issue and renewal of certificate of fitness to transport vehicles, subject to the provisions of the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989, made thereunder.

This letter of authority is valid from.....to.....

Date.....

Registering Authority

This letter of authority is renewed from.....to.....

Date.....

Registering Authority

FORM 40

[See rule 63 (2)]

APPLICATION FORM FOR GRANT OR RENEWAL OF LETTER OF AUTHORITY To The Registering Authority,

.....
.....

I/We..... addresshereby submit the following information, namely:

--

1. Name of the applicant
2. Son/wife/daughter of
3. Address (proof to be enclosed)
4. Qualification of the applicant
5. Experience in automobile workshop
6. Whether involved/connected directly
- or indirectly in transport business
7. Machinery and equipment
8. Staff engaged in different cadres: --
- (i) Manager
- (ii) Foreman
- (iii) Mechanic
- (iv) Helpers
- (v) Other administrative staff
9. Particulars of a person as required under
- clause (a) of sub-rule (3) of Rule 63 of
- the Central Motor Vehicles Rules
- (a) Name
- (b) Age
- (c) Qualification in automobile engineering
- (d) Actual experience in automobile
- Workshop
- (e) Name of firm with full address
- (f) Driving experience of various types
- of transport vehicles --

- (i) Driving licence number
- (ii) Issued by
- (iii) Date of issue
- (iv) Type of vehicle
- (v) Period of validity of driving licence
- (vi) Endorsement on driving licence,
- if any

10. Proof of land owned by or hired by the Applicant

11. Whether garage is equipped with following facilities: --
- (i) Water supply
 - (ii) Electricity
 - (iii) Toilet
 - (iv) Rest room

12. Sources of finance

13. If application is for the renewal of letter of authority, furnish following particulars, namely: --
- (i) Number of existing letter of authority
 - (ii) Date of issue
 - (iii) Period of validity
 - (iv) If application is not submitted within time, state the reasons
 - (v) Whether letter of authority suspended/ cancelled/ surrendered earlier. Further Details

14. I hereby solemnly declare that the information given above is true and correct. Further, I hereby declare that I shall abide by the rules, regulations and conditions attached to the letter of authority and as prescribed in the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989.

Dated.....

Signature of the Applicant

FORM 41

[See rule 75] STATE REGISTER OF MOTOR VEHICLES

- 1. Registration No.
- 2. Previous registration number, if any
- 3. Whether the motor vehicle is --
- (a) new vehicle
- (b) imported vehicle
- (c) ex-army vehicle
- 4. Maker's name
- 5. Year of manufacture
- 6. ¹[Engine number or motor number in the case of Battery Operated Vehicles]
- 7. Chassis No.
- 8. Number of cylinders
- 9. Cubic capacity/horse power
- 10. Type of fuel used
- 11. Class of motor vehicle
- 12. Name and full address of the registered owner
- 13. Seating capacity
- 14. Gross vehicle weight
- 15. Unladen weight

Footnote:

- 1. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 42

[See rule 76(1)]

FORM OF APPLICATION FOR REGISTRATION OF MOTOR VEHICLE BY OR ON BEHALF OF A DIPLOMATIC/CONSULAR OFFICER

(To be forwarded through the competent authority in triplicate)

To The Registering Authority,

.....

.....

1. Full name, designation and address of the diplomatic officer/consular officer/ full name, address and station of the diplomatic mission /consular office or post
2. Age of the person to be registered as registered owner
3. Name and address of the person from whom the vehicle was purchased/name of the port through which the vehicle was imported /name of the person or company from whose bonded stocks the vehicle was purchased and the name of the port
4. Country from which imported
5. Class of vehicle
6. Type of body
7. Maker's name
8. Year of manufacture
9. Number of cylinders
10. Horse power
11. Maker's classification or if not known, wheel base
12. Chassis No.
13. ¹[Engine number or motor number in the case of Battery Operated Vehicles]
14. Seating capacity (including driver)
15. Unladen weight
16. Particulars of previous registration and registered number (if any)
17. I hereby declare that the vehicle has not been registered in any other State in India
18. Colour or colours of body, wings and front end
19. Number, description and size of tyres:
 - (a) Front axle
 - (b) Rear axle
 - (c) Any other axle
20. Maximum laden weight Kgs.
21. Maximum axle weight (To be furnished in the case of heavy motor vehicles only): --
 - (a) Front axle Kgs.
 - (b) Rear axle Kgs.
 - (c) Any other axle Kgs.

The above particulars are to be filled in for a rigid frame motor vehicle of two or more axles.

Signature of the Applicant

For use in the Ministry of External Affairs (Protocol Division) or in the office of the Chief Secretary of the State Government concerned

Certified that.....(name and designation) is a diplomatic officer/ consular officer recognised by the Government of India and that he/she is not entitled to exemption from payment of registration fees.

Place.....

Signature of the officer.....

Designation.....

Date.....

Footnote:

- 1. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 43

[See rule 76 (4)]

CERTIFICATE OF REGISTRATION OF A MOTOR VEHICLE BELONGING TO A DIPLOMATIC OR CONSULAR OFFICER

Registered No.....

Brief description of vehicle, (e.g. Fiat 1100 or Hindustan Landmaster car, Willys jeep, Dodge/Desoto/Gadga petrol/diesel truck, Leyland 36-seater diesel bus, trailer, etc.),

Full name, designation and address of the diplomatic officer/consular officer/ full name, address and station of the diplomatic mission/consular officer or post.....

Transferred to.....

Signature of the Registering Authority

DETAILED DESCRIPTION

- 1. Class of vehicle
- 2. Maker's name
- 3. Type of body
- 4. Year of manufacture

- 5. Number of cylinders
- 6. Chassis number
- 7. ¹[Engine number or motor number in the case of Battery Operated Vehicles]
- 8. Horse power
- 9. Maker's classification, or if not known, wheel base.
.....
- 10. Seating capacity (including driver)
- 11. Unladen weight

ADDITIONAL PARTICULARS IN THE CASE OF ALL TRANSPORT VEHICLES

- 12. Colour or colours of body, wings and front end
.....
- 13. Registered laden weight
- 14. Number, description and size of tyres-
 - (a) Front axle
 - (b) Rear axle
 - (c) Any other axle
- 15. Registered axle weight (in the case of heavy motor vehicles only): --
 - (a) Front axleKgs.
 - (b) Rear axleKgs.
 - (c) Any other axleKgs.

Date19

Signature of Registering Authority

Footnote:

- 1. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 44

[See rule 78 (1)]

**INTIMATION OF CHANGES OF STATE OF RESIDENCE AND APPLICATION FOR
ASSIGNMENT OF FRESH REGISTRATION MARK BY OR ON BEHALF OF A DIPLOMATIC
OR CONSULAR OFFICER**

(To be submitted in triplicate)

To The Registering Authority,

.....
.....

I of the (Name and designation)
..... being the owner of motor vehicle No.
..... registered at under section 42 of the Motor Vehicles
Act, 1988, hereby declare that I have, since the day
of.....20..... kept the said vehicle in the State of
..... and hereby apply for assignment to the motor vehicle of a fresh
registration mark.

I enclose the certificate of registration and the certificate of fitness* of the vehicle.

Date.....

Signature of the owner

*Strike out the words "and the certificate of fitness" if inapplicable.

For use in the Ministry of External Affairs (Protocol Division) or in the Office of the Chief Secretary of the
State Government concerned

Certified that.....(Name and designation) continues to
hold the status of a Diplomatic Officer/Consular Officer.

He/She is at present stationed at.....

Place.....

Signature of the Officer

Designation.....

Date.....

FORM 45

[See rule 82 (1)]

APPLICATION FOR GRANT OF PERMIT IN RESPECT OF TOURIST VEHICLE To The State Transport Authority,

I/We the undersigned hereby apply for the grant of permit for tourist vehicle valid throughout the territory of India/in the State of (specify the names of the States)

1. Name of the applicant(s) in full
2. Status of the applicant, whether individual, company or partnership firm, co-operative society, etc.
3. Name of father or husband (in case of individual and in case of firm or company the particulars of managing partner or managing director, as the case may be)

4. Full address (To be supported by attested copy of ration card, electricity bill, etc. in case of individual or any other valid documentary proof to the satisfaction of State Transport Authority and in case of company or firm, certified copy of the Memorandum of Association or copy of partnership deed)
5. (a) Whether the applicant himself intends to drive the vehicle?
- (b) If so, whether the applicant holds --
- (i) Heavy passenger motor vehicle driving licence
- (ii) The number, date and validity period of driving licence
- (iii) Name and address of the licensing authority
6. Registration certificate along with the date of first registration, insurance certificate number
7. Details of other permits, if any, held in respect of a particular vehicle
8. Details of total number of tourist permits held by the applicant
9. . Type of vehicle
10. Make of motor vehicle
11. Particulars of convictions/suspensions/ cancellation, if any, during the past three years in respect of the vehicle/ permit held by the applicant(s)
12. I /We forward herewith the certificate of Registration of the vehicle or I/We will produce the certificate of Registration of the vehicle before the permits are issued
13. I/We hereby declare that the above statements are true and that I/We am/ are resident(s) of this State having principal place of business in

this State at

14. I/We have paid the fee of Rs.

Date.....

Signature or thumb impression of the Applicant

FORM 46

[See rules 83 (1) and 87 (1)]

FORM OF APPLICATION FOR GRANT OF AUTHORISATION FOR TOURIST PERMIT OR NATIONAL PERMIT

To

The Regional/State Transport Authority,

.....

.....

I/We the undersigned hereby apply for the grant of authorisation valid throughout the territory of India/in the State of (specify the names of the States)

1. Name of the applicant(s) in full
2. Son/wife/daughter of
3. Address
4. Registration mark and year of manufacture and date of registration of the motor vehicle
5. ³[Engine number or motor number in the case of Battery Operated Vehicles] of the motor vehicle
6. Chassis number of the motor vehicle
7. Permit number, the authority which had issued the permit and date of issue and date of expiry of the permit
8. Unladen weight of the motor vehicle
9. Gross weight of the motor vehicle
10. Pay load of the motor vehicle (seating capacity in the case of tourist vehicle)
11. Period for which the authorisation is sought
12. I /We enclose the certificate of registration and permit of the vehicle ¹[***]
13. I/We enclose bank draft(s) as described hereunder towards payment of the ²[authorisation fee]

Sl. No.	Name of the States	Amount paid	Particulars of bank draft(s) and date	Date of payment
(1)	(2)	(3)	(4)	(5)

Dated.....

Signature or thumb impression of Applicant(s)

*Strike out whichever is inapplicable.

Footnotes:

1. Item 12A ins. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999), and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
2. Subs. by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999), and again subs. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
3. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 47

[See rules 83(2) and 87(2)]

AUTHORISATION FOR TOURIST PERMIT OR NATIONAL PERMIT

No.....

Office of the Secretary, Regional/State Transport Authority

Authorisation No.....

Dated.....

This authorisation is valid throughout the territory of India/in the State(s) of:--

- | | |
|---------|---------|
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 7. | 8. |

9. 10.

(Here write the names of the States applicable)

1. Name in full and complete address of holder of the permit
2. Registration mark of the motor vehicle and make
3. Year of manufacture
4. ⁴[Engine number or motor number in the case of Battery Operated Vehicles] of the motor vehicle
5. Chassis number of the motor vehicle
6. Permit number of the motor vehicle
7. Name of the permit issuing authority
8. Date of expiry of the permit
9. Gross weight of the motor vehicle
10. Unladen weight of the motor vehicle
11. Seating capacity in the case of tourist vehicle
12. Period of validity of the authorization From.. To.

¹[² The authorisation for the following State(s) is subject to payment of taxes by the permit holder to the respective State(s)

- 1.
- 2.
- 3.
4.]]

Signature and designation with seal of the Transport Authority

Certificate of payment of composite fee/taxes

Sl. No.	Name of the States for which payment made	Amount paid Rs. P.	No. and date of bank draft and name of bank	Date of receipt of bank draft	Payable to	Period for which paid	Registration mark of the vehicle	Signature and seal of the authority
1	2	3	4	5	6	7	8	9

Signature and seal of the Transport Authority

³[Note.--This Form shall be security printed water-mark paper and shall carry such hologram emblem, as may be specified by the State Government.]

Footnotes:

1. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).
2. Omitted by G.S.R. 684 (E), dated 5th October, 1999 (w.e.f. 22-10-1999) and ins. by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000).
3. Ins. by G.S.R. 400 (E), dated 31st May, 2002 (w.e.f. 31-5-2002).
4. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 48

[See rule 86]

APPLICATION FOR THE GRANT OF NATIONAL PERMIT To

The Regional/State Transport Authority,

.....

.....

I/We the undersigned hereby apply for the grant of national permit valid throughout the territory of India/in the State of

1. Name of the applicant(s) in full
2. Status of the applicant, whether individual, company or partnership firm, co-operative society, etc.
3. Name of father or husband (in case of individual and in case of company or firm the particulars of managing partner or managing director, as the case may be)
4. Full address (to be supported by attested copy of ration card, electricity bill, etc. in case of individual or any other valid documentary proof to the satisfaction of the State Transport Authority/Regional Transport Authority and in case of company or firm, the certified copy of the Memorandum of Association or copy of the deed of partnership, as the case may be)

(here write the names of the States desired)

5. (a) Whether the applicant himself intends to drive the vehicle?
- (b) (i) If so, whether the applicant holds heavy passenger motor vehicle driving licence

- (ii) The number, date and validity period of driving licence
- (iii) Name and address of the licensing authority
- 6. Registration certificate along with the date of first registration, insurance certificate number
- 7. Details of other permits if held in respect of a particular vehicle
- 8. Details of number of national permits held by the applicant
- 9. Type of vehicle, whether two-axle truck or articulated vehicle or multi-axle vehicle or tractor-trailer combination
- 10. Make of motor vehicle
- 11. Particulars of convictions/suspensions/ cancellation, if any, during the past three years in respect of the vehicle/ permit held by the applicant(s)
- 12. I/We forward herewith the Certificate of Registration of the vehicle or I/We will produce the Certificate of Registration of the vehicle before the permits are issued
- 13. I/We hereby declare that the above statements are true and that I/We am/are the resident(s) of this State having principal place of business in this State at
- 14. I/We have paid the fee of Rs.

Date.....

Signature or thumb impression of the Applicant

¹[***]

Footnote:

1. Form 49 omitted by G.S.R. 338(E), dated 26th March, 1993 (w.e.f. 26-3-1993)

FORM 49 [Omitted]

FORM 50

[See rule 90 (3)]

BILL OF LADING

Bill No.....

Dated.....

Name and address of the national permit holder

Registration number of the motor vehicle

Dated

Name of the consignor

Name of the consignee

Point of origin

Point of destination

Number of articles	Description of goods Kg.	Freight charges paid		Freight charges to pay		Total
		Rs.	P.	Rs.	P.	

Bill No.....

Dated.....

Received.....

Package.....

From

(Truck No.....)

Signature of Consignee

Signature of the Carrier

Signature of Consignor

*At carrier's risk

At owner's risk

Value of the goods Rs.....

Delivery at

Note.--The bill of lading shall be in the proforma given above and shall be in quadruplicate, the original (white) to be carried in the motor vehicle, the duplicate (light green) for the consignor, the triplicate (pink) for the consignee and the fourth copy (cream yellow) for record of the national permit holder.

*Strike out whichever is inapplicable.

FORM 51

[See rule 141]

Certificate of insurance in respect of

Certificate No.....

Policy No.....

1. Registration mark of the vehicle insured

2. Description of the vehicle

3. Make and year of manufacture

4. ¹[Engine number or motor number in the case of
Battery Operated Vehicles]

Chassis number

5. Carrying capacity

6. Name and address of the insured

7. Effective date and time of commencement of
insurance

8. Date of expiry of insurance

9. Persons or classes of persons entitled to drive: --

Stage carriage/contract
carriage/private service vehicle

Any person including insured :

Provided that a person driving holds an effective driving licence at the time of the accident and is not disqualified from holding or obtaining such a licence:

Provided also that the person holding an effective learner's licence may also drive the vehicle when not used for the transport of passengers at the time of the accident and that such a person satisfies the requirements of Rule 3 of the Central Motor Vehicles Rules, 1989.

Goods carriage

Any person including insured:

Provided that a person driving holds an effective driving licence at the time of the accident and is not disqualified from holding or obtaining such a licence:

Provided also that the person holding an effective learner's licence may also drive the vehicle when not used for the transport of goods at the time of the accident and that such a person satisfies the requirements of Rule 3 of the Central Motor Vehicles Rules, 1989.

Non-transport vehicles

Any person including insured :

Provided that a person driving holds an effective driving licence at the time of the accident and is not disqualified from holding or obtaining such a licence :

Provided also that the person holding an effective learner's licence may also drive the vehicle and that such a person satisfies the requirements of Rule 3 of the Central Motor Vehicles Rules, 1989.

10. Limitations as to use: .

Stage carriage/contract carriage/private service vehicle	carriage/ goods	The policy covers use only under a permit within the meaning of the Motor Vehicles Act, 1988, or such a carriage falling under sub-section (3) of section 66 of the Motor Vehicles Act, 1988.
--	-----------------	---

The policy does not cover use for --

- (a) organized racing, or
- (b) speed testing.

11. Private service vehicle and non-transport vehicle The policy covers use for any purpose other than --

- (a) hire or reward,
- (b) organized racing, or
- (c) speed testing.

We hereby certify that the policy to which this certificate relates as well as this certificate of insurance are issued in accordance with the provisions of Chapter X or XI of the Motor Vehicles Act, 1988.

Authorised Insurer

Footnote:

1. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 52

[See rule 42 (1)]

COVER NOTE

- 1. Registration mark, number and description of the vehicle insured
- 2. Name and address of insured
- 3. Effective date and time of commencement of insurance for

the purpose of this Act.

- 4. Date of expiry of insurance
- 5. Persons or classes of persons entitled to drive
- 6. Any limitations as to use of motor vehicle
- 7. The period of validity of this cover note will expire on

I/We hereby certify that this cover note is issued in accordance with the provisions of Chapter XI of the Motor Vehicles Act, 1988.

Authorised Insurer

FORM 53

[See rule 148 (1)]

CERTIFICATE IN RESPECT OF EXEMPTION OF MOTOR VEHICLE FROM INSURANCE

Certified that the motor vehicles of the following description:

- (a) Registration number
- (b) Make
- (c) Class, i.e. motorcycle, motor car, stage carriage, goods carriage, contract carriage or other class (to be described)
- (d) Colour of body
- Is the property of --
- (i) the Government of

(ii) the local authority/State transport undertaking, namely.....

the vehicles of which have been exempted under section 146 of the Motor Vehicles Act, 1988, by the Government of.....by their order No. dated.....

This certificate is valid up to.....unless cancelled in the meanwhile.

Dated.....

Signed on behalf of.....

Designation :

FORM 54

[See rule 150 (1) and (2)]

ACCIDENT INFORMATION REPORT

1. Name of the police station
2. CR No./Traffic accident report
3. Date, time and place of the accident
4. Name and full address of the
injured/deceased
5. Name of the hospital to which he/she
was removed
6. Registration number of vehicle and
the type of the vehicle
7. Driving licence particulars:
- (a) Name and address of the driver
- (b) Driving licence number and date
of expiry
- (c) Address of the issuing authority
- (d) Badge No. in case of public
service vehicle
8. Name and address of the owner of
the vehicle at the time of the accident
9. Name and address of the insurance
company with whom the vehicle
was insured and the particulars of
the Divisional Officer of the said
insurance company
10. Number of insurance
policy/insurance certificate and the
date of validity of the insurance
policy/insurance certificate
11. Registration particulars of the
vehicle (class of vehicles)
- (a) Registration No.
- (b) ¹[Engine number or motor
number in the case of Battery
Operated Vehicles]
- (c) Chassis No.
12. Route permit particulars

13. Action taken, if any, and the result
thereof

Footnote:

1. Substituted by GSR589(E) dated 16.09.2005 for the words engine number.

FORM 55

[See rule 160(1)] APPLICATION FOR THE APPROVAL OF A FOREIGN INSURER

I/We hereby apply for the inclusion of..... of..... (Name of foreign insurer) constituted/incorporated/domiciled at..... in the approved list maintained under Rule 159 of the Central Motor Vehicles Rules, 1989, of the Central Government and for the inclusion of my/our name as the guarantor of the said.....(name of foreign insurer) for the purpose of Chapter XI of the Motor Vehicles Act, 1988, and the said Rules. I/We hereby certify that I/We have entered into an arrangement for the purposes of the said Act and the said Rules with the said foreign insurer and I/We hereby agree to act as guarantor in India in respect of the said foreign insurer for the purposes of the said Act and the said Rules.

Dated.....

Signature of Authorised Insurer

Address.....

FORM 56

[See rule 160 (3)]

NOTICE TO CEASE TO ACT AS GUARANTOR

This is to give notice that I/We desire to cease acting as guarantors in India of.....of..... (Name of foreign insurer) after.....or from.....the expiry of two (Address of foreign insurer) months from the date on which this notice is delivered to the Central Government, whichever is later, for the purposes of Chapter XI of the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989.

Dated the.....day of.....20.....

Authorised Insurer

FORM 57

[See rules 140 (v) and 161 (1)]

CERTIFICATE FOR FOREIGN INSURANCE

Certificate No.....

Policy No.....(Optional)

1. Name and address of approved foreign insurer
2. Name and address of guarantor
3. Registration mark and number of the motor vehicle
4. Name and address of visitor
5. Date of commencement of the policy
6. Dale of expiry of the policy
7. Persons or classes of persons entitled to drive in India
8. Any limitations as to use of motor vehicle in India
9. Particulars of any other vehicle(s) which the foreign visitor is entitled to drive in India and any limitations as to use of such vehicle in India.

I/We hereby certify that this certificate of foreign insurance has been issued in accordance with the provisions of Chapter XI of the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989.

Signature of the approved Foreign Insurer

FORM 58

[See rule 161 (2)]

ENDORSEMENT ON CERTIFICATE OF FOREIGN INSURANCE

Certified that, I have today examined this certificate of foreign insurance and that I am satisfied that this certificate complies with the requirements of Chapter XI of the Motor Vehicles Act, 1988, and the Central Motor Vehicles Rules, 1989.

The period of validity of this endorsement will expire on.....unless cancelled before the expiry of the period of its validity in accordance with the provisions of the Motor Vehicles Act and Rules made thereunder.

Date.....

Signature and designation of competent authority

The period of validity of this endorsement is hereby renewed--

Up to

Up to

Up to

Unless cancelled in the meanwhile.

(Signature and designation of Competent Authority)

¹[ANNEXURE I

[See sub-rule 115 (3)]

MASS EMISSION STANDARDS FOR PETROL DRIVEN VEHICLES

1. Type approved Tests:

Two and three-wheeler vehicles:

Reference Mass, R (Kg)	CO (g/km)	HC (g/km)
(1)	(2)	(3)
R • 150	12	8
150 R • 350		
R > 350	30	12
Light duty vehicles :		
Reference Mass, rw (kg)	CO (g/km)	HC (g/km)
(1)	(2)	(3)
rw 1020	14.3	2.0
1020 • rw 1250	16.5	2.1
1250 • rw 1470	18.8	2.1
1470 • rw 1700	20.7	2.3
1700 • rw 1930	22.9	2.5
1930 • rw 2150	24.9	2.7
rw > 2150	27.1	2.9

2. Conformity to Production Tests :

Two and three-wheeler vehicles :

Reference Mass, R(kg)	CO(g/km)	HC(g/km)
(1)	(2)	(3)
R 150	15	10
150 • R • 350		
R > 350	40	15

Light duty vehicles :		
Reference Mass, rw (kg)	CO(g/km)	HC(g/km)
(1)	(2)	(3)
rw 1020	17.3	2.7
1020 • rw • 1250	19.7	2.7
1250 • rw • 1470	22.5	2.8
1470 • rw • 1700	24.9	3.0
1700 • rw • 1930	27.6	3.3
1930 • rw • 2150	29.9	3.5
rw > 2150	32.6	3.7

Explanation.--Mass emission, standards refers to the gm. of pollutants emitted per km. run of the vehicle, as determined by a chassis dynamometer test using the Indian Driving Cycle.]

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

ANNEXURE II

[See rule 115 (3)]

BREAKDOWN OF THE OPERATING CYCLE USED FOR THE TEST

No. of operation	Acceleration (m/sec) ²	Speed (km/h)	Duration of each operation(s)	Cumulative time(s)
(1)	(2)	(3)	(4)	(5)
01. Idling	--	--	16	16
02. Acceleration	0.65	0--14	6	22
03. Acceleration	0.56	14--22	4	26
04. Deceleration	-0.63	22--13	4	30
05. Steady speed	--	13	2	32
06. Acceleration	0.56	13--23	5	37
07. Acceleration	0.44	23--31	5	42
08. Deceleration	-0.56	31--25	3	45
09. Steady speed	--	25	4	49

10. Deceleration	-0.56	25--21	2	51
11. Acceleration	0.45	21--34	8	59
12. Acceleration	0.32	34--42	7	66
13. Deceleration	-0.46	42--37	3	69
14. Steady speed	--	37	7	76
15. Deceleration	-0.42	¹ [37--34]	2	78
16. Acceleration	0.32	34--42	7	85
17. Deceleration	-0.46	42--47	9	94
18. Deceleration	-0.52	27--14	7	101
19. Deceleration	-0.56	14--0	7	103

Footnote:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

ANEXURE III

[See rule 115 (3)]

REFERENCE FUEL FOR TYPE AND PRODUCTION CONFORMITY TESTS

Serial No.	Characteristic	Requirements		Method of test (ref. of P : or (IS : 1448)*
		87 octane	93 octane	
(1)	(2)	(3)	(4)	(5)
1.	Colour, visual	Orange	Red	--
2.	Copper-strip corrosion for 3 hours at 50C.	Not worse than No. 1.		P : 15 (1968)
3.	Density at 15C.	Not limited but to be reported.		P : 16 (1967)
4.	Distillation --			
	(a) Initial boiling point	Not limited but to be reported		P : 18 (1967)
	(b) Recovery up to 20C per cent. by volume, min.	10	10	
	(c) Recovery up to 125C per cent. by	50	50	

	volume, min.			
	(d) Recovery up to 130C per cent. by volume, min	90	90	
	(e) Final boiling point max.	215C	215C	
	(f) Residue per cent. by volume max.	2	2	
5.	Octane number (research methods, max.	87	94	P : 27 (1960)
6.	Oxidation stability, in minutes,	360	360	P : 28 (1966)
7.	Residue on evaporation mg/ 100 ml max.	4.0	4.0	(Air-jet solvent washed)
8.	Sulphur, total, per cent. by weight, max	0.25	0.20	P : 34 (1966)
9.	Lead content (as Pb)g/l max.	0.56	0.80	P : 37 (1967) or P : 38 (1969)
10	Reid vapour pressure at 38 degree C, kgf/cm. ³ max.	0.70	0.70	P : 39 (1967)

Footnote:

* Method of test for petroleum and its products.

ANNEXURE IV

[See rule 115 (4)]

LIMIT VALUES OF EXHAUST GAS OPACITY APPLICABLE FOR DIESEL DRIVEN VEHICLES

The engine tests at steady speed

Nominal flow G(1/s)	Absorption Coefficient ¹ [K(1/m)]	Nominal flow G(1/s)	Absorption Coefficient ¹ [K(1/m)]
(1)	(2)	(3)	(4)
42	2.00	120	1.20
45	1.91	125	1.17
50	1.82	130	1.15
55	1.75	135	¹ [1.13]
60	1.68	140	1.11
65	1.61	145	1.09
70	1.56	150	1.07
75	1.50	155	1.05
80	1.46	160	1.04
85	1.41	165	1.02
90	1.38	170	1.01
95	1.34	175	1.00
100	1.31	180	0.99
105	1.27	185	0.97
110	1.25	190	0.95
115	1.22	195	0.95
		<200	0.93

²[The above standards shall not be applicable to agricultural tractors and the same for the agricultural tractors shall be notified at a later date.]

Footnotes:

1. Subs. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

2. Added by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

¹[ANNEXURE IVA

[See rule 115 (5)]

TEST CYCLE

The following 13-mode cycle shall be followed in dynamometer operation on the test engine:--

Mode No.	Engine Speed	%Load
(1)	(2)	(3)
1.	Idle	--
2.	Intermediate	10
3.		25
4.	Intermediate	50
5.		75
6.		100
7.	Idle	--
8.	Rated	100
9.	Rated	75
10.		50
11.		25
12.		10
13.	Idle	--]

Footnote:

1. Ins. by G.S.R. 338 (E), dated 26th March, 1993 (w.e.f. 26-3-1993).

¹[ANNEXURE IVB

[See rule 115 (10)]

DRIVING CYCLES AND COLD START

A. For all 2 and 3 Wheelers except diesel vehicles:

Cold Start Procedures:

Test Cell Condition	
Soak Temperature	20-30 C
Soak Period	6-30 hrs
Preparatory running before sampling	Idling of 40 seconds and 4 cycles
Number of test cycles	6
Break down of cycles	Indian Driving Cycle as per
	Annexure II to principal rules.

B. For all other vehicles including diesel 2, 3 and 4 Wheelers:

Cold Start Procedures:

Soak Temperature	20-30 C
Soak Period	6-30 hrs
Preparatory running before sampling	Idling of 40 seconds '
Number of test cycles*	4 cycles of Part one and 1 cycle of Part two
Break down of cycles*	Modified Indian Driving Cycle as per Tables I and II.

*For diesel 2 & 3 wheelers

Number of test cycles--6

Break down of cycles--Indian Driving Cycles as per Annexure II to principal rules

MODIFIED INDIAN DRIVING CYCLE FOR YEAR 2000

Table--I: Operating cycle on the Chassis Dynamometer (Part one)

No. of Opera-	Operation	Phase	Accelera-tion (m/s ²)	Speed (Km/h)	Duration of each	Cumula-tive time	Gear to be used in the case of manual
---------------	-----------	-------	-----------------------------------	--------------	------------------	------------------	---------------------------------------

tion							(s)	gear box
					Operation (s)	Phase (s)		
1.	Idling	1			11	11	11	6SPM+5 _s K ₁ (*)
2.	Acceleration	2	1.04	0.15	4	4	15	1
3.	Steady Speed	3		15	8	8	23	1
4.	Deceleration	4	-0.69	15-10	2	5	25	1
5.	Deceleration, Clutch disengaged	4	-0.92	10-0	3	5	28	K ₁ (*)
6.	Idling	5			21	21	49	16 _s PM + S _s K ₁ (*)
7.	Acceleration	6	0.83	0-15	5	12	54	1
8.	Gear Change	6		2	2	12	56	
9.	Acceleration	6	0.94	15-32	5	12	61	2
10.	Steady Speed	7		32	24	24	85	2
11.	Deceleration	8	-0.75	32-10	8	11	93	2
12.	Deceleration, Clutch disengaged	8	-0.92	10-0	3	11	96	K ₂ (*)
13.	Idling	9			21	21	117	16 _s PM + 5 _s K ₁ (*)
14.	Acceleration	10	0.83	0-15	5	26	122	1
15.	Gear Change	10			2	26	124	
16.	Acceleration	10	0.62	15-35	9	26	133	2
17.	Gear Change	10			2	26	135	
18.	Acceleration	10	-0.52	35-50	8	26	143	3
19.	Steady Speed	11		50	12	12	155	3
20.	Deceleration	12	-0.52	50-35	8	8	163	3
21.	Steady Speed	13		35	13	13	176	3
22.	Gear Change	14			2	12	178	
23.	Deceleration	14	-0.86	31-10	7	12	185	2
24.	Deceleration, Clutch	14	-0.92	10.0	3	12	188	K ₂ (*)

	disengaged							
25.	Idling	15			7	7	195	7s PM (*)

Footnote:

(*) PM = gearbox in neutral, clutch engaged.

K₁, K₂ = first or second gear engaged, clutch disengaged.

MODIFIED INDIAN DRIVING CYCLE FOR YEAR 2000

Table--II: Operating cycle on the Chassis Dynamometer (Part two)

No. of Operation	Operation	Phase	Acceleration (m/s ²)	Speed (Km/h)	Duration of each		Cumulative time (s)	Gear to be used in the case of manual gear box
					Operation (s)	Phase (s)		
1.	Idling	1			20	20	20	K ₁ (*)
2.	Acceleration	2	0.83	0-15	5	41	25	1
3.	Gear Change	2			2	41	27	-
4.	Acceleration	2	0.62	15-35	9	41	36	2
5.	Gear Change	2			2	41	38	-
6.	Acceleration	2	0.52	35-50	8	41	46	3
7.	Gear Change	2			2	41	48	-
8.	Acceleration	2	0.43	50-70	13	41	61	4
9.	Steady Speed	3		70	50	50	111	5
10.	Deceleration	4	-0.69	70-50	8	8	119	4s.5+4s.4
11.	Steady Speed	5		50	69	69	188	4
12.	Acceleration	6	0.43	50-70	13	13	201	4
13.	Steady Speed	7		70	50	50	251	5
14.	Acceleration	8	0.24	70-90	24	24	275	5
15.	Steady Speed	9		90	83	83	358	5
16.	Deceleration	10	-0.69	90-80	4	22	362	5
17.	Deceleration	10	-1.04	80-50	8	22	370	5

18.	Deceleration	10	-1.39	50-00	10	22	380	K ₅ (*)
19.	Idling	11			20	20	400	PM(*)

K₁, K₂ = first or fifth gear engaged, clutch disengaged]

Footnote:

1. Ins. by G.S.R. 493 (E), dated 28th August, 1997 (w.e.f. 1-4-2000).

(*) PM = gearbox in neutral, clutch engaged.

¹[ANNEXURE IV C

[See rule 115 (10)]

REFERENCE FUEL PETROL

			ASTM Method
	Minimum	Maximum	
Research Octane Number	95.0		D2699
Motor Octane Number	85.0		D2700
Density at 15C (kg/l)	0.748	0.762	D1298
Reid Vapour pressure	0.56 bar	0.64 bar	D323
Distillation:			
Initial boiling point	24C	40C	D86
10% vol. Point	42C	58C	
50% vol. Point	90C	110C	
90% vol. Point	155C	180C	
Final boiling point	190C	215C	
Residue		2%	D86
Hydrocarbon Analysis:			
Olefins		20% vol.	D1319
Aromatics	(including max.		
	5% Vol.; benzene)*	45% vol.	(*) D3606/D2267
Saturates	balance		D1319
Oxidation Stability	480 minutes		D525

Existent Gum		4mg/100 ml	D381
Sulphur Content		0.04% mass	D1266/D2622/ D2785
Copper Corrosion at 50 C			D130
Lead Content		0.005 g/ltr	D3237
Phosphorous Content		0.0013 g/ltr	D3231

Footnote:

* Addition of oxygenates prohibited.

1. Ins. by G.S.R. 493 (E), dated 28th August, 1997.

¹[ANNEXURE IV D

[See rule 115 (10)]

REFERENCE FUEL DIESEL

			ASTM Method
	Minimum	Maximum	
(1)	(2)	(3)	(4)
Cetane Number	49	53	D613
Density at 15C (kg/1)	0.835	0.845	D1298
Distillation:			D86
50% point	245C		
90% point	320C	340C	
Final boiling point	--	370C	
Flash point	55C		D93
CFPP	--	(-) 5C	EN116 (CEN)
Viscosity at 40 C	2.5 mm ² /s	3.5 mm ² /s	D445
Sulphur content	to be reported	0.3% mass	D1266/D2622/ D2785
Copper Corrosion		1	D130
Conradson carbon			

residue (10% DR)		0.2%mass	D189
Ash content		0.01%mass	D482
Water content		0.05%mass	D95/D1744
Neutralisation			
(strong acid) No.		0.20 mg/KOH/g	
Oxidation Stability		2.5 mg/100 ml	D2274
Additives	*		

Footnote:

* It must not contain any metallic additives or cetane improver additives.]

1. Ins. by G.S.R. 493 (E), dated 28th August 1997.

¹[ANNEXURE IVE

[See rule 115(14)]

DRIVING CYCLES AND COLD START

For Four-Wheeled Vehicles: as described in (A), (B) and (C)

Cold Start Procedure

Soak Temperature	20C-30C
Soak period	6-30 hours
Preparatory running before sampling	Nil
Number of test cycles	4 cycles of Part one and one cycle of Part two
Break down of cycles	Modified Indian Driving Cycle as per Tables 1 and 2 of Annexure IVB of sub-rule (10)]

Footnote:

1. Ins. by G.S.R. 200 (E), dated 1st April, 2005 (w.e.f. 1-4-2005).

¹[ANNEXURE IVF

[See rule 115 (14)]

TECHNICAL CHARACTERISTICS OF REFERENCE FUEL PRESCRIBED FOR APPROVAL TESTS AND TO VERIFY CONFORMITY OF PRODUCTION

Type: Diesel fuel

Parameter	Unit	Limits ⁽¹⁾		Test method
		Minimum	Maximum	
Cetane Number ⁽²⁾		52.0	54.0	EN-ISO 5165
Density at 15C	Kg/m ³	833	837	EN-ISO 3675
Distillation:				
-- 50% point	C	245	--	EN-ISO 3405
--95% point	C	345	350	EN-ISO 3405
-- final boiling point	C	--	370	EN-ISO 3405
Flash point	c	55	--	EN 22719
CFPP	c	--	--5	EN 116
Viscosity at 40C	Mm ² /s	2.5	3.5	EN-ISO 3104
Polycyclic aromatic	% m/m	3	6.0	IP 391
Hydrocarbons				
Sulphur content ⁽³⁾	Mg/kg	--	300	Pr. EN-ISO/DIS 14596
Copper corrosion		--	1	EN-ISO 2160
Conradson carbon residue (10% DR)	%m/m	--	0.2	EN-ISO 10370
Ash content	% m/m	--	0.01	EN-ISO 6245
Water content	% m/m	--	0.05	EN-ISO 12937
Neutralization	MgKOH/g	--	0.02	ASTM D 974-95
(strong acid) number				
Oxidation stability ⁽⁴⁾	mg/ml	--	0.025	EN-ISO 12205
New and better method for polycyclic aromatics under development	%m/m	--	--	EN 12916

(1) The value quoted in the specifications are "true values". In establishment of their limit values the terms of ISO 4259 Petroleum Products - Determination and application of precision data in relation to methods of test have been applied and in fixing a minimum value, a minimum difference of 2R above zero has been taken into account, in fixing a maximum and minimum value, the minimum difference is

4R (R = Reproducibility).

Notwithstanding this measure, which is necessary for technical reasons, the manufacturer of fuels should nevertheless aim at a zero value where the stipulated maximum value is 2R and at the mean value in the case of quotations of maximum and minimum limits. Should it be necessary to clarify the questions as to whether a fuel meets the requirements of the specifications, the terms of ISO 4259 should be applied.

(2) The range of cetane number is not in accordance with the requirements of a minimum range of 4R. However, in the case of a dispute between fuel supplier and fuel user, the terms of ISO 4259 may be used to resolve such disputes provided replicate measurements, of sufficient number to achieve the necessary precision, are made in preference to single determinations.

(3) The actual sulphur content of the fuel used for the Type I test shall be reported.

(4) Even though oxidation stability is controlled, it is likely that shelf life will be limited. Advice should be sought from the supplier as to storage conditions and life.]

Footnote:

1. Ins. by G.S.R. 200 (E), dated 1st April, 2005 (w.e.f. 1-4-2005).

ANNEXURE V

[See rule 132 (2)]

TRANSPORT EMERGENCY CARD (ROAD)

Cargo	Mention chemical identity of the
	dangerous and hazardous goods
Nature of hazard Protective devices	
Emergency action	Notify police and fire brigade immediately
Spillage Fire	
First-aid --	Additional information provided by the manufacturer or sender

¹[ANNEXURE VI

[See rule 11 (1A)]

SPECIMEN OF OBJECTIVE EXAMINATION OF A DRIVER

1. You are driving up an intersection where there is no signal, people are crossing in front of your car, you should-
- (a) continue into the intersection without reducing speed
 - (b) slow down and be careful
 - (c) stop and allow persons to cross the road.

2. You wish to take a "U" turn at an intersection controlled by a traffic light, you should--
 - (a) drive to another intersection that has no traffic light
 - (b) wait until the light turns green before making the "U" turn
 - (c) make the "U" turn if there is a policeman at the intersection.
3. You are driving towards an intersection where flashing yellow traffic light is displayed, you should--
 - (a) slow down and proceed with caution
 - (b) stop, if possible to do so safely
 - (c) continue at the same speed.
4. You are driving on a two-lane street, the vehicle in front of you is moving very slowly, and the road ahead is clear for overtaking, you should--
 - (a) pass the vehicle from the left hand side
 - (b) pass the vehicle from the right hand side
 - (c) pass the vehicle from any convenient side.
5. Your car is involved in an accident hurting people, you should--
 - (a) report to the nearest police station and take the persons to the hospital
 - (b) need not report to the police station
 - (c) need not report to the police station but should take the persons to the hospital.
6. While driving, to make a right turn, the proper hand signal is--
 - (a) extend right palm in a horizontal position outside of and to the right of vehicle with palm of the hand turned to the front
 - (b) extend right arm and rotate in anti-clockwise direction
 - (c) extend right arm with palm downward and move up and down several times.
7. A pedestrian is crossing the street at an intersection in an unmarked cross-walk, you should--
 - (a) yield to the pedestrian the "right of way"
 - (b) proceed with care as pedestrian is "Jay-walking"
 - (c) reduce speed and warn pedestrian.
8. While driving, you wish to change from one lane to another, you should--
 - (a) give the proper turn signal
 - (b) change lanes only when it is safe to do so by giving the proper turn signal
 - (c) never change lanes as it is against the law.
9. You approached an intersection that does not have traffic lights, a policeman or traffic signs, you should--
 - (a) slow down and use caution
 - (b) come to a full stop
 - (c) not change speed if the way is clear.
10. You have a valid learner's licence to drive a car, you should--
 - (a) drive only in daylight hours
 - (b) have someone with a valid driver's licence on the seat beside you when you drive
 - (c) practice driving only on streets that have very little traffic.]

Footnote:

1. Ins. by G.S.R. 933 (E), dated 28th October, 1989.

¹[ANNEXURE VII

[See Table below rule 62(1)]

CHECK HEAD LAMP BEAM

The horizontal cut off of the passing beam when tested at 10 metres

Distance in an unladen condition of the vehicle shall be always below the head lamp centre line and the difference shall be within 5 CM to 25 CM

Note.--Each head lamp shall be checked individually by blocking the other lamp

FIG.:

Footnote:

1. Annexure VII ins. by G.S.R. 684 (E), dated 15th October, 1999 (w.e.f. 22-10-1999) and omitted by G.S.R. 76 (E), dated 31st January, 2000 (w.e.f. 31-1-2000) and again ins. by G.S.R. 221 (E), dated 28th March, 2001 (w.e.f. 28-3-2001).

¹[ANNEXURE VIII

(See clause (c) of sub-rule (4) and sub-rule (9) of rule 115 C)

SAFETY CHECKS FOR USE OF LPG FUEL IN FOUR-WHEELED VEHICLES AND ABOVE (AS PER AIS 026) AND TWO-WHEELED AND THREE-WHEELED VEHICLES (AS PER AIS 027) AND INDIAN GAS CYLINDER RULES, 1981

(as amended from time to time)

LPG Kit Component	² [Approving Certifying/Verifying Authority]	Clause of AIS 026/ AIS 027/Other Rules, Standards, etc.
(1)	(2)	(3)
³ 1. (a) Cylinder for four wheelers and above	Department of Explosives, Nagpur to approve/endorse in case of foreign make	ECE-R-67-01 or IS: 14899-2000 or as approved under Gas Cylinder Rules, 1981
(b) Cylinder for two wheelers and three wheelers	Department of Explosives, Nagpur to approve/endorse in case of foreign make	ECE-R-67-01 or IS: 14899-2000 or as approved under Gas Cylinder Rules, 1981
2. Cylinder Valves/ Multi Function Valve	Department of Explosives, Nagpur to approve/endorse in case of foreign make	ECE-R-67-01 or IS: 15100-2001 or as approved under Gas Cylinder Rules, 1981]
3. Regulator/ Vaporizer*	Testing or verification of certificate with test report by Test Agency as per United Nations, Economic Commission for Europe Regulation No. 67 Rev. 1	United Nations, Economic Commission for Europe Regulation No. 67 Rev. 1 Note: Regulator/vaporizer is to be tested, as per Economic Commission for Europe Regulation No. 67 (Rev. 1), including endurance test for 6,000 number of cycles.
4. Gas-Air Mixer*	Testing/verification of certificate with test report by Test Agency as per United Nations, Economic Commission for Europe Regulation No. 67	United Nations, Economic Commission for Europe Regulation No. 67 Rev. 1

	Rev. 1	
5. Petrol and Gas Solenoid Valves*	Testing/verification of certificate with test report by Test Agency as per United Nations, Economic Commission for Europe Regulation No. 67 Rev. 1	United Nations, Economic Commission for Europe Regulation No. 67 Rev. 1 or equivalent standard. Note: Petrol solenoid valve is to be tested, as per Economic Commission for Europe Regulation No. 67 (Rev. 1), for endurance only at a pressure 1.5 times the working pressure for 6,000 number of cycles
6. Inspection, Testing and Commissioning Certificate	To be tested by Test Agency	Clause 14 of AIS 026/AIS 027
(a) Leak testing		
(b) Excess flow valve test*		
(c) Automatic fill limiter*		
(d) Compartment or Sub-compartment		
7. Filling Connection	Installation on vehicle to be checked by Test Agency	As per Appendix A, Clause (d) of AIS 026/AIS 027
8. Ventilation	Test Agency to verify	Clause 8 (E) of AIS 026/AIS 027
9. Testing of Conduit*	Testing/Verification of Certificate with Test Report by Test Agency as per equivalent standard	Clause 8 (F) (iii) of AIS 026/AIS 027
10. (a) LPG fuel line exceeding 4.5 kg/cm ² *		Clause 9 of AIS 026 / AIS 027
* Pressure testing	Testing/Verification of Certificate with Test Report by Test Agency as per equivalent Standard.	Clause 9 (i) of AIS 026/AIS 027
* Size of tube as per engine capacity	Manufacturer's declaration to be verified by Test Agency	Clause 9 (ii) of AIS 026/AIS 027
* Fitment on vehicle	Verification by Test Agency as per Safety Code of Practice	Clause 9(v) of AIS 026/AIS 027
(b) Flexible hose/ fuel line not exceeding* 4.5 kg/cm ²		Clause 10 of AIS 026/AIS 027

* Material	Testing/Verification of Certificate with Test Report by Test agency as per equivalent standard.	Clause 9(ii)(a) of AIS 026/AIS 027
* Fitment on vehicle	Verification by Test Agency as per Safety Code of Practice.	Clauses 10(B), 9(v) of AIS 026/AIS 027
* Pressure	Testing/verification of Certificate with Test Report by Test Agency as per equivalent standard.	Clause 10(A)(i) of AIS 026/AIS 027
(c) Joints and connections to withstand pressure without any leakage	Verification by Test Agency	Clauses 9(iv) & 1D(A) of AIS 026/AIS 027
11. Compartment/Sub-compartment*	Test to be carried out by Test Agency as per Safety Code of Practice	Clause 8D of AIS 026/AIS 027
12. Safety check for installation of LPG system	Safety checks to be carried out by Test Agency as per Safety Code of Practice	Relevant clauses of AIS 026/AIS 027

* Certificate issued conforming to equivalent prescribed standards by accredited testing agency of the country of origin or a report issued by internationally accredited test laboratory may also be accepted.

Note.--Only the latest version of all the standards, as mentioned, shall be referred for compliance.

Footnotes:

1. Subs. by G.S.R. 788 (E), dated 27th November, 2002 (w.e.f. 2-6-2003).
2. Subs. by G.S.R. III (E), dated 10th February, 2004, for "Certifying/Verifying Authority" (w.e.f. 10-8-2004).
3. Subs. by G.S.R. III (E), dated 10th February, 2004, for

1. (a) Cylinder for four wheeler and above*	* Department of Explosives, Nagpur to certify/endorse in case of foreign make	* IS: 14899-2000
-- Fitment of cylinder on vehicle	* Test agency to verify as per safety code of practice for use of LPG fuels in IC engined vehicles, under Central Motor Vehicles Rules, 1989	* Clause 8 of AIS 026
(b) Cylinder for two wheelers and three wheelers*	* Department of Explosives, Nagpur to certify/endorse in case of foreign make	* IS: 14899-2000

-- Fitment of cylinder on vehicle	* Test agency to verify as per safety code of practice for use of LPG fuels in IC engines to power two-wheelers and three-wheelers, under Central Motor Vehicles Rules, 1989	* Clause 8 of AIS 027
2. Cylinder Valves/ Multi Function Valve*	* Department of Explosives, Nagpur to certify/endorse in case of foreign make	IS : 15100 - 2001 and Gas Cylinder Rules, 1981 as amended from time to time."

ANNEXURE IX

(See Item E of rule 115B)

SAFETY CHECKS FOR USE OF CNG FUELS IN INTERNAL COMBUSTION ENGINED VEHICLES (AS PER AIS 028) AND INDIAN GAS CYLINDER RULES, 1981

CNG Kit Component	Certifying/Verifying Authority	Clause of AIS 028/Other Rules, Standards, etc.
(1)	(2)	(3)
(1) -Cylinder*	* DOE, Nagpur to certify/endorse in case of foreign make	* Gas Cylinder Rules, 1981
-Fitment of cylinder on vehicle	* Test agency to verify as per AIS 028	* Clauses 2.3, 2.5 & 2.6 of AIS 028
(2) Cylinder Valves*	DOE, Nagpur to certify/endorse in case of foreign make	IS: 3224 or Gas Cylinder Rules, 1981
(3) Regulator*	Testing of the component as per ISO-15500 or equivalent standard by test agency.	ISO-15500 or equivalent standard.
	Alternatively, test agency to verify the test certificate/report conforming to the above standard issued by manufacturer/ accredited testing laboratory.	
(4) Gas-Air Mixer*	Testing of the component as per ISO-15500 or equivalent standard by test agency.	ISO-15500 or equivalent standard.
	Alternatively, test agency to verify the test certificate/report conforming to the above standard issued by manufacturer/ accredited testing laboratory.	
(5) Petrol & Gas Solenoid Valves*	Testing of the component as per ISO-15500 or equivalent standard by test agency.	ISO-15500 or equivalent standard.
	Alternatively, test agency to verify the test certificate/report conforming to the above standard	

	issued by manufacturer/ accredited testing laboratory.	
(6) Filling Connection (NVS & NGV-1 type)	Installation on vehicle to be checked by test agency as per AIS 028	Clauses 2.2.2, 2.2.3, 2.2.4, 2.2.5 and 2.2.6 of AIS 028
(7) Ventilation	Test agency to verify	Clause 2.4.2 of AIS 028
(8) Testing of Conduit*	Testing of the component/verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clause 2.4.3.1 of AIS 028
(9) CNG fuel line		
(a) High pressure-exceeding 100 kPa*		
* Exceeding 2.15 Mpa		
- Rigid	Testing of the component/verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clause 3.1.1 of AIS 028
- Pipe		
- Flexible -Hose	Testing of the component/verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clauses 3.1.3.1, 3.1.3.2 and 3.1.3.3.1 of AIS 028
* Exceeding 100 kPa and less than 2.15 Mpa	Testing of the component/ verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clause 3.1.2 of AIS 028
(b) Low pressure-not exceeding 100 kPa*	Testing of the component/ verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clause 3.2.1 (a) of AIS 028
(10) Compartment/Sub-compartment*	Testing of the component/ verification of certificate or test report as per AIS 028 or equivalent standard by test agency.	Clause 2.4.1 of AIS 028 Clause 2.4.3.5 of AIS 028 (for pliable material).
(11) Safety check for installation of CNGsystem.	Safety checks to be carried out by test agency as per AIS 028	Relevant clauses of AIS 028

* Certificate issued conforming to the equivalent prescribed standards by accredited testing agency of the country of origin or a report issued by internationally accredited test laboratory or the manufacturer's test report may also be accepted by the concerned testing agency.

Note.--Only the latest version of all the standards, as mentioned, shall be referred for compliance.]

Footnote:

1. Ins. by G.S.R. 853 (E), dated 19th November, 2001 (w.e.f. 19-5-2002).

¹[ANNEXURE X

²[See Item F of rule 115B and sub-rule (10) of rule 115 (c)]

SAFETY AND PROCEDURAL REQUIREMENTS FOR TYPE APPROVAL OF CNG AND LPG OPERATED VEHICLES

Ministry of Road Transport and Highways has prescribed Safety Code of Practice and Procedure to be followed by the test agencies prescribed under CMVR for the purposes of issuing type approval certificates for CNG and LPG operated vehicles. The safety code of practice and type approval procedure to be followed for CNG and LPG operated vehicles is given in AIS 024 (Safety and Procedural Requirements for Type Approval of CNG Operated Vehicles) and AIS 025 (Safety and Procedural Requirements for Type Approval of LPG Operated Vehicles) standards respectively. These documents contain safety code of practice and procedure to be followed for installation of CNG/LPG kits by vehicle manufacturers (OE), kit installers or kit manufacturers or kit suppliers or kit importers. These standards also contain technical specifications of vehicle and kit, checklist for fitness tests of in-use converted vehicles, criteria to authorize kit installer and details about installation.

Role and responsibility of each agency concerned is given in the above referred documents, salient features of which are described below:

Role of Test Agency (Page Nos. 3 to 6 of AIS 024 and Page Nos. 3 and 4 of AIS 025)

Type approval of CNG and LPG vehicles is carried out by the test agencies according to the Safety and Procedural Requirements for Type Approval of CNG/LPG Operated Vehicles. The test agencies carry out type approval certification trials on the vehicles and components submitted by vehicle/kit manufacturers/kit suppliers. Type approval certification trials basically involve testing and evaluation of vehicles and components for performance and safety and installation checks on the vehicle. If the vehicle meets the type approval norms and prescribed testing for components, type approval certificate is awarded to the vehicle/kit manufacturers/ kit suppliers and the vehicle/kit manufacturers/kit suppliers are supposed to manufacture and market the vehicles fitted with kits conforming to those specifications. Necessary owner's manual, service manual, periodical inspection and maintenance instruction and adequate infrastructure to offer after sales service is the responsibility of vehicle/kit manufacturers/kit suppliers.

Responsibility of Vehicle/Kit Manufacturer/Kit Supplier (Page Nos. 3 and 4 of AIS 024 and Page 3 of AIS 025)

Prime responsibility of the vehicle/kit manufacturers/kit suppliers, as the case may be, is to manufacture and supply the vehicles fitted with CNG/LPG kits conforming to the specifications declared at the time of type approval. Necessary owner's manual giving the instructions about periodical maintenance, safety checks and do's and don'ts is to be prepared by vehicle/kit manufacturers/kit suppliers and provided to the vehicle owners. Necessary tools and gadgets to carry out installation, periodical inspection and maintenance of the vehicle shall be provided. If the kit manufacturer/supplier feels that additional safety instructions need to be provided in the vehicle, then it should be displayed at an appropriate location

inside and outside the vehicle. During warranty period vehicle/kit manufacturers/kit suppliers should strictly adhere to the maintenance schedule and give appropriate training to the users. If the vehicle/kit manufacturers/kit suppliers feel that normal training is not sufficient, they should arrange comprehensive training to the users, drivers and other technicians on inspection, operation and maintenance. Vehicle/kit manufacturers/kit suppliers shall establish necessary infrastructure while establishing/appointing service centres/kit installers as per Annexure V of AIS 024 and AIS 025 standards.

Responsibility of Owners/Users (Clause Nos. 12 and 15 of Annexure V of AIS 024/AIS 025)

The owner/driver shall be instructed in the correct way that the gas system and controls function along with owner's operation manual for the gas system outlining the following:--

- * Basic gas system explanation with a diagram
- * Fuel change over switch operation if bi-fuel system is fitted
- * Starting procedure for cold and hot start
- * How the vehicle is refueled
- * In the event of backfiring check procedure and compliance
- * In the event of gas leak shut off procedure and compliance
- * Emergence or information contact numbers in the event of emergency

Users should comply with all the instructions given by the vehicle manufacturers/kit installers. Necessary periodic inspection, as listed in owner's manual, shall be carried out by the users.

Users should follow the instructions while filling gas and carry out leakage test periodically.

Users to insist on appropriate training to be given to the drivers and technicians by vehicle manufacturers/kit installers/suppliers. Periodic inspection of valves, pipelines, cylinders and regulator/vaporizer shall be carried out.

In case of mal-functioning of any component, necessary repair and maintenance to be carried out at authorised service station under the assistance/guidance of installers, vehicle/kit manufacturers/suppliers.

The vehicle owner shall apply to the concerned registering authority within 14 days of undertaking the alteration for endorsement of particular alteration in the registration certificate mentioning place and date of installation and installation certificate number.

Statutory Requirements for Registration of Vehicle

Enhancement of safety can be ensured taking the following measures:--

While registering every converted bus, vehicle manufacturers/kit installers along with bus body builders and transport authority shall jointly examine the bus prior to registration. The registration of such a vehicle shall be done only after signing the report jointly by all the concerned along with the transport authority.

Details of training module and frequency of training shall be communicated to the users/competent authority such as transport authority/registration authority by vehicle manufacturers/kit installers.

User-friendly approach from vehicle manufacturers and kit installers for servicing, maintenance and supply of spare parts is essential. The details shall be worked out prior to placement of order.

Additional safety features such as 2 Nos. of dry powder type fire extinguishers of 2 kg each shall be provided one in driver's cabin and another in passenger compartment. Gas leakage detector will further enhance safety.

For electrical installation, flameproof cables shall be used, especially positive terminals shall be locked firmly with all cables and pipes with proper looming to take care of vibrations; fire retardant material shall be used for seat/upholstery/roof and side lining. Safety instructions about alertness in case of gas leakage and fire hazard shall be displayed.

Note.--The AIS standards referred to in this Annexure are available with the Automotive Research Association of India (ARAI), P.B. No. 832, Pune-411004, India (Fax: 91-20-5434190, Website: <http://www.araiindia.com>). Copies of this document are also available with the other testing agencies, as referred to in rule 126 of the Central Motor Vehicle Rules, 1989.]

Footnotes:

1. Ins. by G.S.R. 853 (E), dated 19th November, 2001 (w.e.f. 19-5-2002).
2. Subs. by G.S.R. 788 (E), dated 27th November, 2002 (w.e.f. 2-6-2003).

¹[ANNEXURE XI

[See Clause (s) of Rule 2]

I. Smart Card specifications for Driving Licence, Registration Certificate, Regional Transport Office cards, endorsing authority cards, reviewing authority cards, key generation authorities cards, etc.

- (a) Microprocessor based Integrated Circuit Card with contacts and with a minimum of 4 kbyte available Electrically Erasable Programmable Read Only Memory (EEPROM)
- (b) Compliant to ISO/IEC 7816-1, 2 and 3
- (c) Compliant to SCOSTA vl.2b, dated March 15, 2002
- (d) Supply voltage 3V nominal
- (e) T=0 or T=1 transport protocol
- (f) Min 10 years data; retention
- (g) Min 300,000 EEPROM write cycles (h) Operating ambient temperature range -25C to +55C

(i) Glossy surface, Poly Vinyl Chloride (PVC)/Acrylonitrile Butadiene Styrene (ABS) plastic construction with overlay to allow color dye sublimation printing

(j) Smart Cards must have data objects for card sequence no (Tag 5F34) and cards primary account no (Tag 5A) at the Master File level as per International Standards Organisation 7816-6. Once programmed these data objects can not be changed.

II. Specifications of Hand Held Terminals

(a) Display: 4 lines X 16 characters back lit Liquid Crystal Display (LCD). Contrast level should be such that it can be read in broad day light.

(b) Key Pad : Numeric, Function and scroll keys. Support for entering non-numeric characters using this key pad should also be available.

(c) Power On/Off : Switch or automated sleep mode enabled.

(d) Smart Card Readers : Two built in International Standards Organisation 7816 compliant smart card readers with 3V interface and with both T=0 and T=1 transport protocols.

(e) Battery pack : (Rechargeable and removable) with 8 hours of on time and 7 days stand-by time. Preferably support should be there to operate device with the help of standard 1.5 Volts Dry Cells of Standard size.

(f) Memory : Memory requirements will depend on the application and the number of applications supported by the Terminal.

(g) Printer : Printer is Optional and Printer Port is desirable.

(h) Application : National Standard of Driving Licence and Registration Certificate as specified in this Annexure.

(i) Communication : Standard Communication interfaces for loading and unloading of software (upgrades).

III. Specifications of Dye Sublimation Printer

Print Process : Dye Sublimation.

Resolution : 300 dpi.

Print Speed approximately 30 seconds per side.

Colors : up to 16.7 million colors by using YMCK+O/YMCKO/KO ribbon.

Capable of edge to edge printing.

Having card input hopper and in-built card cleaning system.

Capable of printing and smart card electronic personalization in single pass.

Smart card encoder within the printer shall be Factory Standard for PC to Smart Card Reader interface, International Standards Organisation 7816 compliant, support 3V chip card with T=0 and T=1 protocol.

IV. Specifications of Smart Card Reader

Factory Standard for PC to Smart Card Reader interface, ISO 7816 compliant, support 3V chip card with T=0 and T=1 protocol, USB interface, external. Readers must have Factory Standard for PC to Smart Card Reader interface drivers.

Note.--The microprocessor chip of the Smart Card mentioned at Para I shall necessarily conform to the specifications given in this Annexure for Smart Card based Driving Licence and Vehicle Registration documents for Transport and Non-Transport vehicles and shall contain the information prescribed by these rules. This microprocessor chip shall not carry any other information not prescribed for the purpose. In addition to this microprocessor chip, any extra Information as may be required by any State Government or Union Territory Administration may be stored on the card in the form of any additional information storage media or any other technological media outside the above referred microprocessor chip embedded in the Smart Card, which shall not conflict in any way with the minimum specifications prescribed by the Central Government under these rules or the operation of the same. Further, the operating environment in the form of Operating System, Protocol and other details given above relating to the microprocessor chip, as given in Items (a) to (j) of paragraph I shall be complied with, without any variation, whatsoever.]

Footnote:

1. Ins. by G.S.R. 513 (E), dated 10th August, 2004 (w.e.f. 10-8-2004).